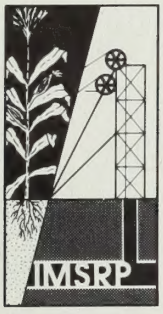
Geol Survey

High-Extraction Coal Mining in Illinois: Effects on Crop Production, 1985-1987



by
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Illinois Mine Subsidence Research Program

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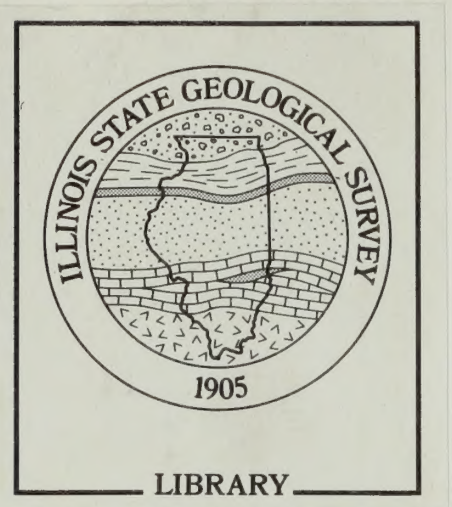

The **Illinois Mine Subsidence Research Program** (IMSRP) was established in 1985 to investigate methods and develop guidelines for underground mining operations that aim to maximize coal extraction yet preserve the productivity of prime farmland. The research program was initiated by the Illinois Coal Association and the Illinois Farm Bureau.

The Illinois State Geological Survey, a division of the Illinois Department of Energy and Natural Resources, is directing the IMSRP. Participating research institutions include Southern Illinois University at Carbondale, the University of Illinois at Urbana-Champaign, Northern Illinois University, and the Illinois State Geological Survey. A five-year Memorandum of Agreement, signed by the State of Illinois and the Bureau of Mines, U.S. Department of the Interior, ensures collaboration, cooperation, and financial support through 1991. Major funding is also provided by the Illinois Coal Development Board.

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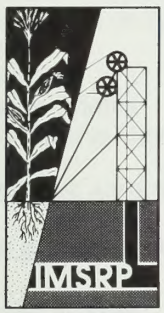

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CONTENTS

ABSTRACT

The impact of coal mine subsidence-induced effects (SIE) on corn yields in 1985, 1986, and 1987 in Illinois was investigated. Five study areas were selected in three counties in southern Illinois, representing longwall (LW) and high-extraction retreat (HER) mines, as well as unmined control areas. Study areas were photographed from the air in early, mid-, and late growing season in 1985 and early and mid-growing season in 1986 and 1987. After the photographs were analyzed, areas deemed to have SIE were marked on them. Three classes of SIE were established: slight, moderate, and severe. In the fall of each year, sites representing all SIE classes, including unaffected control areas, were harvested for corn yield sampling. No significant corn yield difference was found between the control and slight SIE class in any year. Significant yield reductions were noted for the moderate class: 52 percent in 1985, 56 percent in 1986, and 22 percent in 1987 (average of 43 percent). Significant reductions were also found in the severe class: 95 percent in 1985, 99 percent in 1986, and 91 percent in 1987 (average of 95 percent).

Total acreage (or extent) and intensity of SIE classes were measured. There was a significant difference between LW and HER mining methods in the total area of associated SIE classes. Over the three years, the average total area in the moderate or severe SIE classes was 7.5 percent for LW mining and 3.3 percent for HER mining. The weighted average reduction in yield per acre of land above the mines was calculated by multiplying the area of each SIE class by the associated reduction in yield. For LW mines, the weighted yield reduction averaged over the three years was 4.7 percent. For HER mining, the weighted yield reduction averaged over the three years was 1.8 percent.

The results for individual years varied with weather. The growing season in 1985 was wetter than normal in the study area, and since SIE is related to excess soil moisture, the 1985 results represented a worse than average year. The 1987 season was unusually dry, and the yield reductions were less than in 1985. The 1986 season probably represents a "normal" year. The yield reductions that year were close to the averages for the three years of the study. The results over the three years reflect (along with differences in weather during the growing seasons) differences in mine company operations, crop sample areas, and overall study areas. Sites were selected by aerial photography without regard to mitigation. Mitigation may have affected results, but the study of mitigation was outside the scope of this research.

INTRODUCTION

With the traditional room-and-pillar mining method, the mine structure is intended to leave enough coal unmined in pillars to support overlying strata and prevent subsidence effects on the surface. Room-and-pillar recovers only about half of the coal in the ground and does not guarantee that subsidence will not occur. The unplanned subsidence that may result from this type of mining is difficult to manage at the surface because the resultant small closed depressions can form at any time after an area is mined.

In the 1950s (Flowers, 1957), some mine operators began using a different mining method called high-extraction retreat (HER). This method involved the planned removal of as many of the supporting pillars as possible. In the 1970s a widely used European method, longwall (LW), was adopted in the United States. This method removes all of the coal along a broad front with subsequent subsidence of the mined-out area. Longwall and high-extraction retreat remove more coal from the mine production area than is possible with the room-and-pillar method, while allowing the surface to subside more or less uniformly over the mined-out area. With these planned subsidence techniques, most of the subsidence takes place within a few weeks, and very little settlement occurs after the first few years. Because the landscape drops more or less uniformly, surface drainage may be disrupted less with high-extraction techniques than with room-and-pillar.

Proponents claim that planned subsidence mining can be undertaken without significant effects on the land. The subsidence that occurs is usually more easily repaired than unplanned subsidence. But there has been some public resistance to planned subsidence mining, perhaps partly because of adverse publicity concerning the effects of unplanned subsidence over old mines. Research is necessary to adequately determine how modern planned subsidence mining techniques affect subsequent land use. Regulatory bodies and the public need more information to intelligently decide whether to encourage such methods as a means to maximize coal extraction and minimize hazards to future land use or to discourage these methods because of unacceptable effects on land resources.

Subsidence primarily affects agriculture by altering the natural topography of the land surface. Farmability can be impaired by alteration of subsurface soil drainage, soil chemistry and structure, and surface drainage. Crops can be drowned if surface water stands too long in closed depressions that formed as a result of subsidence. Both the time of formation and duration of ponding are important to crop response. Seasonal patterns of rainfall distribution can greatly influence the impact of subsidence and ponding.

Another factor that can influence the relative importance of subsidence is soil type. Some soils respond differently to ponding than others. Crops also vary in their response to ponding. The most

important factor, though, is pre-mine topography. If the pre-mine topography is such that no closed depressions form, the impact of subsidence on crop yield will be less significant. In general, the more nearly level the landscape, the more likely that subsidence will create closed depressions.

Mine subsidence has been recognized as a problem for a long time in Illinois. Young (1916) recognized the problem over 70 years ago; Wascher et al. (1938) noted it as a new problem for agriculture in Vermilion County. But only limited research has been done on mine subsidence. Hunt (1980) reported on surface subsidence due to coal mining in Illinois. His work concerned the geological causes of subsidence and did not address the agricultural impacts. DeMaris and Bauer (1983), using aerial photographs, reported on the identification of subsided areas in central Illinois. McSweeney and Jansen (1984) studied the effect of stripmine reclamation methods on crop yields but did not consider subsidence effects.

The effects of mine subsidence on crop yields have not been well documented, although some related research has been done. Guither et al. (1985) conducted a survey on the economic impact of underground mining on Illinois agricultural land. Farmers were queried on subsidence and in particular were asked to estimate their dollar loss from subsidence. One important conclusion of the study was that a research project was needed that measured actual yield losses due to subsidence.

The research reported here was conducted in consideration of the importance of agriculture and coal mining to Illinois and the need for better understanding of the impact of subsidence on crop production. The specific objectives of this study were to i) evaluate the effects of planned subsidence on subsequent agricultural suitability of affected land, ii) compare the effects of longwall mining with those of high-extraction retreat, and iii) estimate and record subsidence-induced reduction in corn yield over three growing seasons.

METHODS

Mine Land Analysis

The individual study areas were located in Franklin, Jefferson, and Williamson Counties over high-extraction retreat (HER) or longwall (LW) mines. Each study area included surrounding unmined areas for comparison (Figure 1). Aerial photographs were used in selecting study areas. Individual land-survey township sections represented sample units. Large bodies of water or non-agricultural land were eliminated from the study. Mine boundaries from unpublished mine maps were traced onto 7 1/2-minute topographic quadrangle maps; these maps and pre-mine aerial photographs served as guidelines for selecting the individual study areas. The study areas were square-mile survey sections (59 sections in 1985, 69 in 1986, and 82 in 1987). The

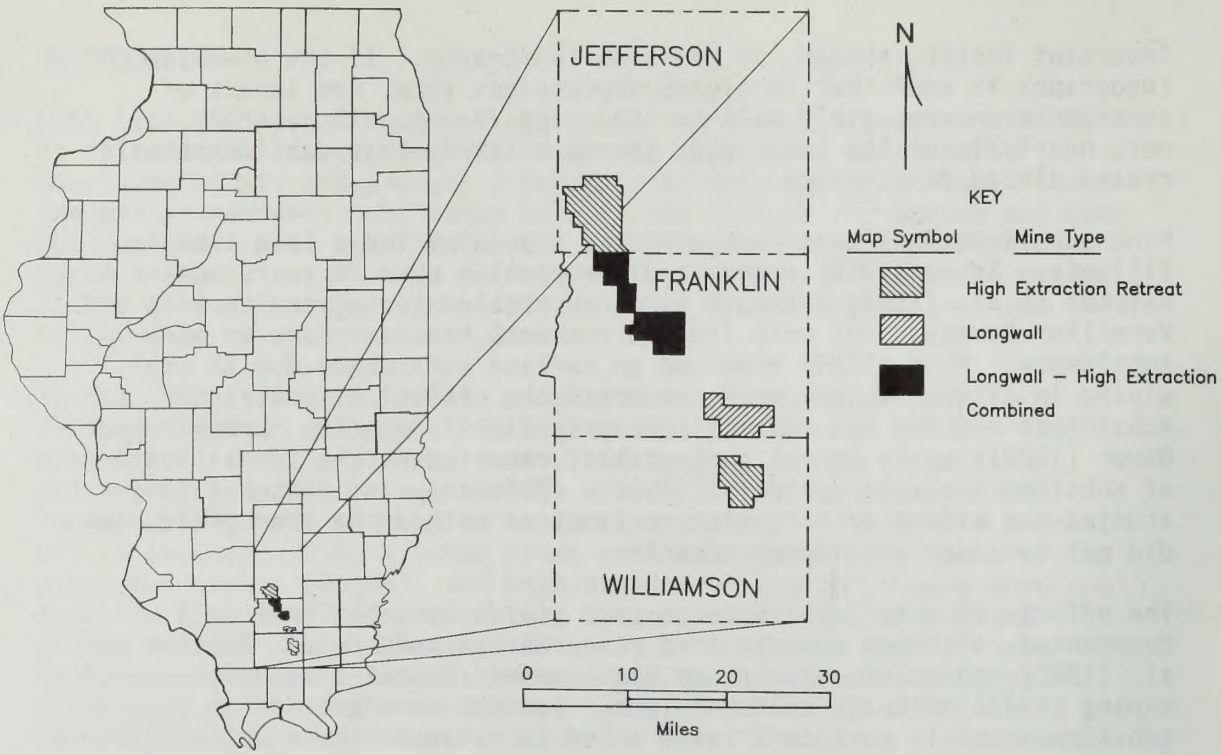

Figure 1 General locations of the study areas.

number of study areas was increased each year in response to increased research funding levels and expansion of the mines.

Aerial photographs of the study areas were taken on 4 May, 17 July, and 6 September 1985, on 8 April and 16 July 1986, and on 9 April and 16 July 1987. The spring flights consisted of two sets of 1:12,000 photographs, one panchromatic and the other black-and-white infrared. For the 1985 July flight, color infrared and natural color transparencies were obtained at the same scale. The 1985 September and 1986 and 1987 July flights were photographed as natural color transparencies. All photos were taken with 60 percent endlap and 30 percent sidelap to give stereo coverage. The spring flights were taken to give a view of bare soil under moist field conditions and the later flights to show crop response to soil conditions.

The study areas include all or parts of seven mines in 1985 and nine in 1986 and 1987. Some mines combined LW and HER techniques, and others used only one of type of mining. The mines are listed in Table 1.

Table 1 Mines of the study areas

Name	Mine type	County
Inland 1	High-extraction retreat	Jefferson
Orient 3	High-extraction retreat	Jefferson
Orient 4	High-extraction retreat	Williamson
Orient 6†	High-extraction retreat	Jefferson
Old Ben 25	Longwall (HER in places)	Franklin
Old Ben 27	Longwall (HER in places)	Franklin
Old Ben 21	High-extraction retreat (longwall in places)	Franklin
Old Ben 24	High-extraction retreat (longwall in places)	Franklin
Old Ben 26†	High-extraction retreat (longwall in places)	Franklin

†Not studied in 1985.

The mines include active longwall panels or high-extraction retreat panels and unmined areas, as well as areas with abandoned room-and-pillar panels and room-and-pillar entries. To calculate the estimated area of each mine, only the area within the actual LW or HER panels was used.

Mine maps with the entries, longwall panels, high-extraction retreat panels, and room-and-pillar areas identified were traced from unpublished mine maps onto drafting film. The mine maps, topographic maps, early season photos, and pre-mine photos were compared, and observed mine subsidence effects were marked on the early season infrared photos. Both sets of photographs were viewed stereoscopically to determine where previous topography was altered by subsidence as indicated by increased wetness, relief changes, or both. Subsidence classes and the factors considered in assigning them are given in Table 2.

These tonal anomalies and topographic alterations were checked against pre-mine photographs to verify that they occurred subsequent to mining. The areas were also carefully checked to rule out other possible causes, such as natural soil patterns, construction features,

field boundaries, or land use changes. The three colors marked on the photos were related to the three SIE classes; red was severe, orange was moderate, and yellow was slight. Areas of suspected subsidence features delineated on the spring photos were checked against the same areas in the summer photos. Areas marked on the spring photos were enlarged or reduced to reflect later observed crop response. Many slight SIE areas marked in yellow on the spring photos showed no crop response in July.

Table 2 SIE classes as assigned on aerial photographs

SIE class	Evidence
None	No change from pre-mining photography
Slight	Topographic change without dark infrared signature (marked yellow on photo)
Moderate	Dark infrared signature (marked orange on photo)
Severe	Ponding or black infrared signature (marked red on photo)

Table 3 Land use classes as assigned on aerial photographs

Land use class	Criteria
Agriculture	Row crops, pastures, or orchards
Forest	Closed canopy trees
Water	Ponds, lakes, streams
Urban/other	Parking lots, buildings, lawns, industrial sites, roads, railways, recreational land, dumps, spoil piles, etc.

After the photos were edited, a dot-grid sampling technique was used to quantify features in the study area. The centers of ten-acre cells regularly arranged in a grid pattern on each square mile section served as the sample sites. This gave 64 sample sites per square mile. The grid was enlarged or reduced to accommodate the various scales of the maps and photos used, so each individual grid point sampled was the same on all maps and photos of a given section. Land use, soils, slopes, and other features were also recorded at each grid point. Table 3 gives the criteria used in assigning land use classes and Table 4 gives all the categories of information recorded at each grid point. The data were recorded and analyzed on a computer. All

the raw data recorded at each grid point are given in Appendix A. The 64 grid point method was checked against a 100 random point sample method. Results confirmed the validity of the 64 dot method (Darmody et al., 1988).

Table 4 Information recorded at each grid point in the study areas (Appendix A contains all data collected at each grid point)

Category	Number of classes	Source†
Mine name	9	b
Township	12	a
Section	91	a
Grid point	64	f
Land use	4	c
Subsidence effects	4	b,c,d
Mining type	6	b
Panel orientation	5	a,b
Soil type	16	e
Slope	7	a,e

†a. Available USGS 7 1/2-minute topographic maps.
b. Unpublished Illinois State Geological Survey mine maps.
c. Aerial photographs acquired for this study.
d. Archival aerial photographs of area.
e. Fehrenbacher and Odell (1959), Wheeler (1913), Norton (1923).
f. Assigned in this study.

Yield Estimates

Corn (Zea mays L.) was chosen as the indicator crop because it is the most important crop in the state and is grown extensively in the research area. Sites were selected for corn yield sampling to give representative samples for all classes of subsidence-induced effects (SIE) over all mines in the study areas. Sites were chosen after careful inspection of the aerial photos. A site constituted an individual corn field that included a marked SIE area and a control area. This approach was adopted to keep as constant as possible such farm management variables as corn hybrid, planting date, fertility levels, herbicides, and soil types.

At each site, one corn sample was taken from the affected area and one from an adjacent unaffected control area. Some sites had more than one pair of samples harvested. This was done in exceptionally large fields where soils or management may have differed over the field. Sampling was done by conventional agronomic methods (B. L. Vasilas, 1985, personal communication). A sample consisted of all of the ears on two adjacent 25-foot corn rows. The corn was air-dried, shelled, weighed, and analyzed for moisture. Yields were adjusted to the conventional 15 percent moisture (B. L. Vasilas, 1985, personal

communication). The difference between the control and the SIE samples at a site served as an estimate of yield reduction for that SIE class. All the yield reductions for a SIE class were converted to a percentage basis and then averaged to give the final estimate for that class. A total of 40 samples at 15 sites in 1985, 83 samples at 28 sites in 1986, and 79 samples at 31 sites in 1987 were harvested in late September and early October of each year. All of the yield estimate data are given in Appendix B. Also included in Appendix B are the soil fertility and crop quality data for 1987. The reduction in yield estimates reflects conditions over the study area for the particular sample year. Other costs that might be associated with subsidence, such as replanting and differential harvest losses, were not considered.

RESULTS AND DISCUSSION

Characterization of the Study Area

Land uses in the total study area are given in Table 5. The land uses over the years were similar. The study areas included 37,760 acres in 1985, 44,160 in 1986, and 52,480 in 1987. The average land use for the three years was about 73 percent for agriculture, 19 percent for forest, 3 percent for water, and 5 percent for urban/other.

Table 5 Land use in the study areas

	Area (acres)			Percent of total use		
Land use	1985	1986	1987	1985	1986	1987
Agriculture	27,810	32,090	37,380	74	73	71
Forest	7,880	8,230	9,890	21	18	19
Water	740	1,300	1,790	2	3	3
Urban/other	1,330	2,540	3,420	3	6	7
Total	37,760	44,160	52,480	100	100	100

Soils of the study areas are given in Table 6. With a few minor exceptions, all of the soils of the study area are rated as prime or important for agriculture (USDA, SCS 1983) and prime soils account for about 53 percent of the total study area. The soils of the study area are representative of the most common soils on the Illinois Till Plain in southern Illinois (Fehrenbacher et al., 1984); therefore, the results of the study should be valid for that portion of the state.

Table 7 gives some properties of the study area soils that would influence their sensitivity to subsidence. These properties include soil drainage group, susceptibility to flooding or ponding, and physiography. Those soils on flood plains or nearly level till

plains, or in slowly permeable and poorly drained groups would be highly sensitive to subsidence.

Table 6 Soils in the study areas†

Soil number and type		Slope class	Listed as prime or important‡	Extent (acres) 1985	1986	1987
0	Water	-	-	650	1110	1640
2	Cisne	0-1.5	Prime	2140	2630	3000
3	Hoyleton	0-1.5	Prime	320	610	610
		1.5-4	Prime	640	990	1170
		4-7	Prime	110	150	160
4	Richview	0-1.5	Prime	40	40	40
		1.5-4	Prime	460	970	970
		4-7	Important	110	240	240
		7-12	Important	20	20	20
5	Blair	4-7	Important	40	20	60
8	Hickory	10-30	-	50	50	60
12	Wynoose	0-1.5	Important	580	640	710
		1.5-4	Important	200	370	480
		4-7	Important	30	50	50
		7-12	Important	10	10	10
13	Bluford	0-1.5	Prime	3220	4040	4610
		1.5-4	Prime	8130	9300	11260
		4-7	Important	7030	8480	10340
		7-12	-	2200	2480	3220
14	Ava	0-1.5	Prime	80	210	240
		1.5-4	Prime	1790	1590	1680
		4-7	Important	3010	2860	3220
		7-12	Important	2510	2620	3080
		12-18	Important	60	40	50
72	Sharon	0-1.5	Prime	730	770	920
84	Okaw	0-1.5	Important	-	100	100
		1.5-4	Important	30	30	30
		4-7	Important	80	80	80
108	Bonnie	0-1.5	Prime	-	720	1020
109	Racoon	0-1.5	Prime	-	80	150
		1.5-4	Prime	-	70	110
382	Belknap	0-1.5	Prime	1270	1140	1490
533	Disturbed /Urban	0-18	-	120	120	120
814	Hickory-Ava Complex	1.5-4	Important	10	10	10
		4-7	Important	20	20	20
		7-12	Important	1840	1310	1320
		12-18	Important	220	170	180
		18-30	-	10	10	10

†Sources: Fehrenbacher and Odell (1959), Wheeler (1913), Norton 1923).
‡Source: USDA, SCS (1983).

Table 7 Properties of agricultural soils in the study areas[†]

	Soil numbers													
	2	3	4	5	8	12	13	14	72	84	108	109	382	814
Drainage group[‡]	4A	4B	1	3B	1	4A	4B	1	1	4A	3A	4A	2B	1
Flooding/ponding	no	no	no	no	no	no	no	no	yes	yes	yes	yes	yes	no
Prime (slope)[§]	1	1,3,5	1,3			1,3	1,3	1		1	1,3	1		
Physiography[#]	b	b	c	c	c	b	c	c	a	a	a	d	a	c

[†]From Fehrenbacher et al., 1984, and Drablos and Moe, 1984. See Table 6 for names associated with soil numbers.

[‡]Drainage group key:

1	Moderately permeable, well to moderately well drained.
2B	Moderately permeable, somewhat poorly drained.
3A	Moderately slowly permeable, poorly or very poorly drained.
3B	Moderately slowly permeable, somewhat poorly drained.
4A	Slowly and very slowly permeable, poorly or very poorly drained.
4B	Slowly and very slowly permeable, somewhat poorly drained.

[§]The slope class associated with the soil if it is considered prime (USDA, SCS 1983).

[#]a, Flood plain; b, Till plain level; c, Till plain rolling; and d, Terrace.

Acreages of mining types in the study areas are given in Table 8. Longwall mining accounted for 1160 acres or 3.1 percent of the total study area in 1985, 1590 acres or 3.6 percent in 1986, and 2,100 acres or 4 percent in 1987. High-extraction retreat mining covered 10,210 acres or 27.1 percent of the total study area in 1985, 15,070 acres or 34.1 percent in 1986, and 17,070 acres or 32.5 percent in 1987.

Weather

Precipitation in the study areas is given in Table 9. Overall, 1985 was a wet year in the study area with about 2 inches of precipitation in excess of normal amounts. March and June were particularly wet with over 2 and 3 inches of excess precipitation, respectively. This excess precipitation was evident in the soil moisture content over the year in the study area (Table 10). Soil moisture reflects the ability of a soil to store water, the amount and intensity of precipitation, the air temperature, solar radiation, and wind. Soil moisture levels were in excess of adequate over the study area from January through June in 1985.

Table 8 Acreages of mine types in the study areas

	Area (acres)			Percent of total		
Mine type	1985	1986	1987	1985	1986	1987
Unmined	14,610	11,750	13,770	38.7	26.6	26.2
Unmined within mine	3,820	5,490	6,030	10.1	12.5	11.5
Room-and-pillar mine	7,170	9,640	11,170	19.0	21.8	21.3
Longwall mine	1,160	1,590	2,100	3.1	3.6	4.0
High-extraction retreat mine	10,210	15,070	17,070	27.0	34.1	32.5
Unclassified	790	620	2,340	2.1	1.4	4.5
Total	37,760	44,160	52,480	100	100	100

Table 9 Precipitation in the study areas†

	Precipitation (inches)					
	Precipitation			Departure from normal		
Month	1985	1986	1987	1985	1986	1987
January	1.79	0.51	0.76	-1.59	-2.86	-2.61
February	4.20	4.39	2.27	1.00	1.37	-0.59
March	6.71	3.12	2.19	2.32	-1.27	-2.23
April	3.30	2.96	1.46	-0.80	-1.38	-2.89
May	4.36	4.91	2.25	-0.80	0.50	-2.16
June	7.27	2.11	4.42	3.03	-1.81	0.47
July	1.76	6.50	3.78	-1.87	2.78	-0.24
August	5.13	3.72	2.05	1.50	0.23	-1.26
September	2.34	3.14	2.75	-0.80	-0.09	-0.09

†Source: Illinois Cooperative Crop Reporting Service (1985, 1986, 1987).

Table 10 Soil moisture in the study areas†

	Percent of area with soil moisture								
	Short			Adequate			Surplus		
Month	1985	1986	1987	1985	1986	1987	1985	1986	1987
January	0	5	0	10	78	65	90	17	35
February	0	38	10	0	61	55	100	1	35
March	0	0	10	15	61	80	85	39	10
April	0	25	6	24	64	71	76	11	23
May	0	25	91	46	40	9	54	35	0
June	0	14	22	9	35	71	91	51	7
July	40	20	19	39	70	48	21	10	34
August	18	6	44	64	94	56	18	0	0
September	7	14	70	75	70	30	18	16	0
October	13	0	79	64	60	21	24	40	0

†Source: Illinois Cooperative Crop Reporting Service (1985, 1986, 1987).

Southern Illinois should precede the rest of the state in corn planting because soil temperatures are higher early in the season. In 1985, corn was planted late in the study area due to excessive soil moisture. The late planting delayed the corn's development as indicated by the percent silking in the area relative to the state average (Table 11). By late in the season, however, corn in the study area had essentially caught up with the state average for maturation as indicated by percent of the corn dented (Table 11).

The 1986 growing season was drier and more nearly a "normal" year than 1985. There was about a 2.5-inch deficit in rain over the study area (Table 9). Soil moisture was adequate throughout the year (Table 10), and crop performance was ahead of 1985 (Table 11). The 1987 season was the driest of the three. There was about an 11.8-inch deficit in precipitation over the study area (Table 9). Soil moisture was particularly short in the latter part of the year (Table 10), and the crops matured well ahead of the usual time (Table 11).

Because subsidence-induced effects on crop production are primarily related to changes in soil-water relationships, increased precipitation leads to increased excess water related problems. The 1985 growing season in the study areas was the wettest, so the SIE recorded that year was predictably more extensive than in the other years. Overall, the weather variability was nearly ideal for the three years of the study, a wet year (1985), a dry year (1987), and a "normal" year (1986).

Corn Yields

Subsidence-induced reductions in corn yields are given in Table 12. Appendix C contains the tables generated to test for significance of the yield differences found. Yield-reduction differences were not significant for a given SIE class between mine types or between years. This means that an area rated as moderate SIE class, for example, has the same relative reduction in yield whether it was over longwall or high-extraction retreat mining or whether it was in 1985, 1986, or 1987. In addition, no significant reduction in yield was found for the slight SIE class in any year. However, significant reductions (5% level) in yield were noted with the moderate and severe SIE classes. The moderate class averaged a 43 percent reduction in yield, and the average severe class yield reduction of 95 percent was significantly (5% level) greater.

Table 11 Crop history in the study areas†

		Percent of corn planted							Percent of corn silking							Percent of corn dented						
		Study area			State average				Study area			State average				Study area			State average			
Month	Week	1985	1986	1987	1985	1986	1987	5-yr	1985	1986	1987	1985	1986	1987	5-yr	1985	1986	1987	1985	1986	1987	5-yr
April	4	6	15	5	31	29	12	10														
May	1	12	45	20	66	66	62	33														
May	2	28	85	70	87	89	90	60														
May	3	60	90	90	93	97	97	78														
May	4	68	95	96	96	99	99	88														
May	5	78			98																	
July	1								4	45	45	20	31	47	10							
July	2								35	70	65	60	66	83	31							
July	3								50	90	90	84	87	95	62							
July	4								75	95	97	94	97	98	84							
August	1															12	20	40	14	20	30	9
August	2															28	40	60	28	40	50	20
August	3															42	60	70	42	55	72	33
August	4															52	75	95	57	70	87	50
August	5															68	85	97	77	89	96	71
Sept	1															78	96		90	95		86
Sept	2															88			95			96

†Source: Illinois Cooperative Crop Reporting Service (1985, 1986, 1987).

Table 12 Subsidence-induced reduction of corn yield in the study areas (raw data are given in Appendix B)

SIE class	Corn yield reduction (%)†			
	1985	1986	1987	Average
Slight	Not significant‡			
Moderate	52	56	22	43
Severe	95	99	91	95

†Yield reduction was estimated by subtracting the yield within an affected area from an adjacent unaffected control area. This was done at a total of 24 sample pairs in 1985, 55 in 1986, and 48 in 1987.

‡For each year, the difference in yield reduction between moderate and severe classes was significant. No significant reduction in yield was found for the slight class nor was there a significant (5% level) difference in yield reduction between mine types or between years.

Subsidence Effects

SIE frequency by soil slope is given in Table 13. The SIE frequency was inversely proportional to slope, i.e., the less the slope, the greater the probability of moderate or severe SIE. No moderate or severe SIE was observed on slopes greater than 12 percent. Of the total moderate plus severe SIE, 53.6 percent was in the 0-1.5 slope class. Less sloping land is more susceptible to SIE for several reasons. Removing water from the surface of nearly level ground is more difficult because: insufficient hydraulic head to move the water; a closer proximity to the water table on low level ground and on broad level divides; and a greater probability that closed depressions will form on nearly level ground.

Table 13 Frequency of SIE by soil slope class

	Soil slope class (%)																				
	0-1.5			1.5-4			4-7			7-12			12-18			> 18			Average			
SIE class	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	All
	SIE frequency (%)																					
None	91.7	92.1	88.2	95.0	93.4	91.3	96.3	95.0	93.4	98.3	96.1	96.2	96.6	95.4	95.8	100	83.3	83.3	95.2	93.9	91.7	93.4
Slight	4.0	4.0	8.8	2.6	4.3	7.7	2.5	4.4	5.7	1.5	3.3	3.4	3.4	4.6	4.2	0	16.7	16.7	2.7	4.1	6.8	4.5
Moderate	3.9	3.1	2.3	2.3	2.2	0.9	1.1	0.6	0.8	0.2	0.6	0.4	0	0	0	0	0	0	1.9	1.8	1.2	1.6
Severe	0.4	0.8	0.7	0.2	0.1	0.1	0.2	0	0.1	0	0	0	0	0	0	0	0	0	0.2	0.2	0.3	0.2
Sum of moderate and severe averages		3.7			1.9			0.9			0.4			0			0			1.9		

A chi-square test was used to check that the difference in SIE frequency over LW and HER mines was not due to an unequal distribution of slopes. Table 14 gives the distribution of slopes by mine type. For the 1986 data, no interaction was noted in slope by mine type. For the 1985 and 1987 data, a small interaction was noted. Longwall mines were relatively more prevalent on more nearly level soils in those years than were HER mines. This effect was significant at the 5% level but not at the 1% level, meaning that overall, the difference in SIE frequency between the two mine types is a real difference and is not due primarily to slope effects.

Frequency of SIE by soil type is given in Table 15. The inverse relationship between slope and SIE frequency is seen in the low SIE frequencies in the more sloping soils. For example, Hickory (soil 14) and Hickory-Ava Complex (soil 814), which are strongly sloping soils, have only a small amount of moderate or severe SIE.

Another factor that influences the frequency of SIE on soils is the distribution of soils and mines. Table 16 gives the frequency of soils over planned subsidence mining. Richview soil (soil 4), which is fairly common (Table 6) in the study area, does not occur over LW mines and accounts for about 3 percent of the soil over HER mines. It is not surprising, then, that little moderate or severe SIE was found on this soil. The most common soil over both mine types was Bluford (soil 13). However, Bluford is under-represented in the moderate and severe SIE classes with only 1.5 percent of its area in those classes overall (Table 15). This discrepancy could be due to a distribution of slopes such that the undermined areas are on sloping land and the nearly level areas are in unmined areas. But when slopes are restricted to <1.5 percent, Bluford is still the second most common soil (Table 6). Another possibility is that these soils do not respond as unfavorably to SIE as other soils do. A third, and perhaps most important reason, is that Bluford soils do not occur in extensive level areas as does Cisne (soil 2), which is the most SIE-prone soil. Table 7 gives the soil properties that influence soil subsidence sensitivity.

In general, the more extensive the soil, the higher the probability that it will be undermined. And the more nearly level the soil and the more restricted the soil drainage, the greater the impact of subsidence. For the specific soils of the study area, a sensitivity rating was developed (Tables 17 and 18). Figure 2 shows the distribution of soils with sensitivity class 1 and 2. These ratings are a preliminary estimate and are based upon the findings of this study.

Table 14 Frequency of soil slopes over planned subsidence type mines

Mine type	Slope (%)/year																							
	0-1.5				1.5-4				4-7				7-12				> 12				Total			
	1985	1986	1987	Avg	1985	1986	1987	Avg	1985	1986	1987	Avg	1985	1986	1987	Avg	1985	1986	1987	Avg	1985	1986	1987	Avg
	Frequency (%)																							
LW	34.5	32.7	36.2	34.5	26.7	29.6	28.1	28.1	30.2	30.2	26.7	29.0	8.6	7.5	9.0	8.4	0	0	0	0	10.2	9.5	11.0	10.2
HER	25.2	28.7	27.5	27.1	30.5	29.4	29.2	29.7	26.2	26.5	26.9	26.5	17.4	14.9	15.8	16.0	0.8	0.5	0.6	0.6	89.8	90.5	89.0	89.8
Total	26.1	29.1	28.5	27.9	30.1	29.4	29.1	29.5	26.6	26.8	26.9	26.8	16.5	14.2	15.0	15.2	0.7	0.5	0.5	0.6	100	100	100	100

Table 15 Frequency of SIE (%) by soil type

Soil type†	Sum of moderate and severe SIE class
2	5.6
3	3.0
4	0.7
5	8.3
8	0
12	2.5
13	1.5
14	1.2
72	2.0
84	10
108	10
109	2
382	5.3
814	0.2

†See Table 6 for names and slopes associated with soil type numbers.

Table 16 Frequency of soil types over planned subsidence mining

Mine type	Soil type†													
	2	3	4	5	8	12	13	14	72	84	108	109	382	814
							Unrestricted slope							
LW	14	10	0	0	0	1	57	9	3	4	1	0	3	0
HER	7	4	3	.1	.1	2	55	18	3	.2	2	.2	2	3
Both	8	5	2	.1	.1	2	56	17	3	.5	1	.1	2	3
							Slope < 4%							
LW	16	10	0	0	0	2	53	0	4	1	3	0	6	0
HER	12	7	4	0	0	3	51	6	5	.4	4	.4	3	0
Both	12	7	3	0	0	3	51	6	5	1	4	.4	3	0
							Slope < 2%							
LW	44	0	0	0	0	2	33	0	10	0	2	0	9	0
HER	30	8	0	0	0	3	33	2	10	.7	6	.2	6	0
Both	37	7	0	0	0	3	33	2	10	.7	6	.1	7	0

†See Table 6 for names and slopes associated with soil type numbers.

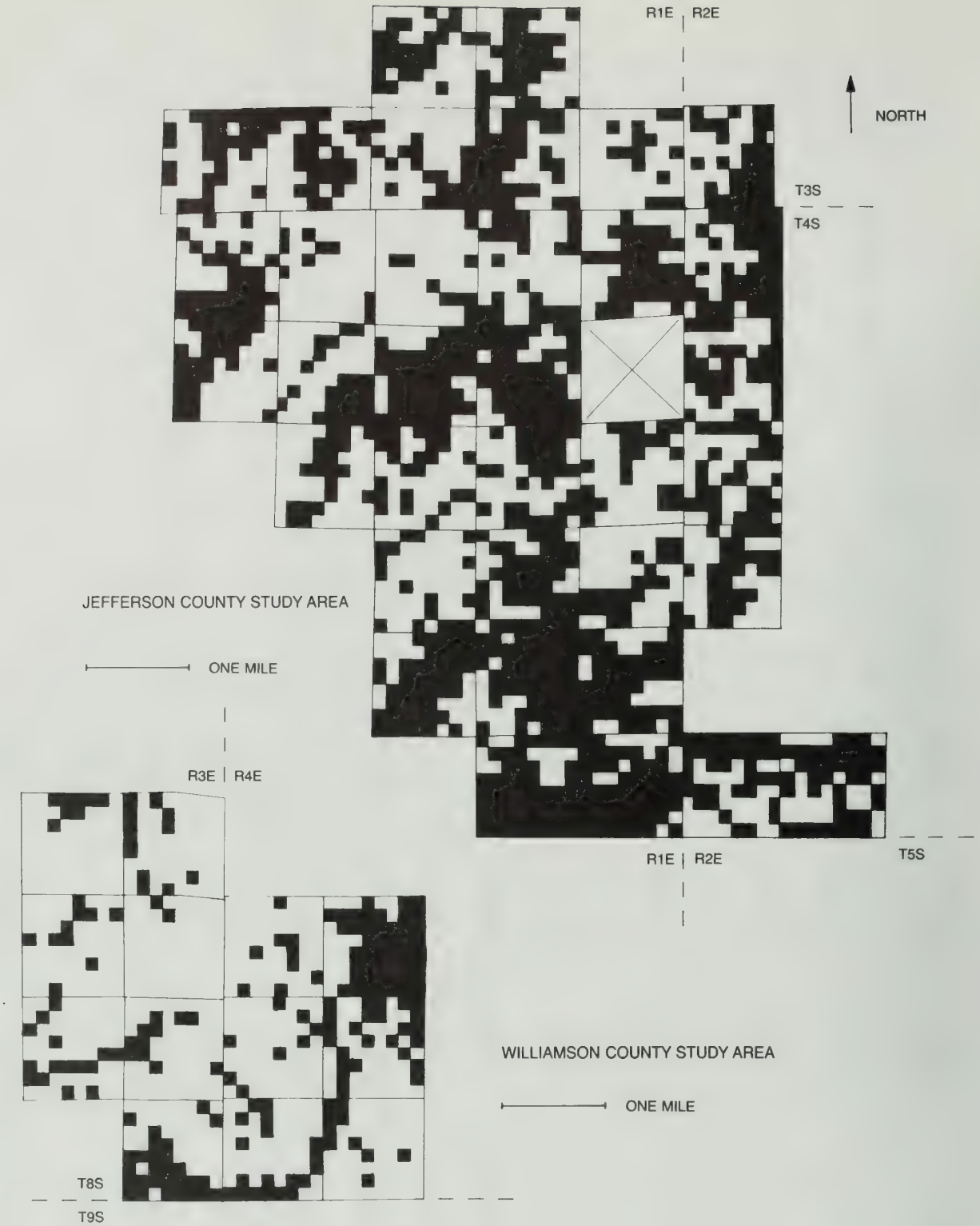

Figure 2 Areas sensitive to subsidence-induced effects are indicated in black. See Figure 1 for locations of study areas. The section marked X was not included in the study area.

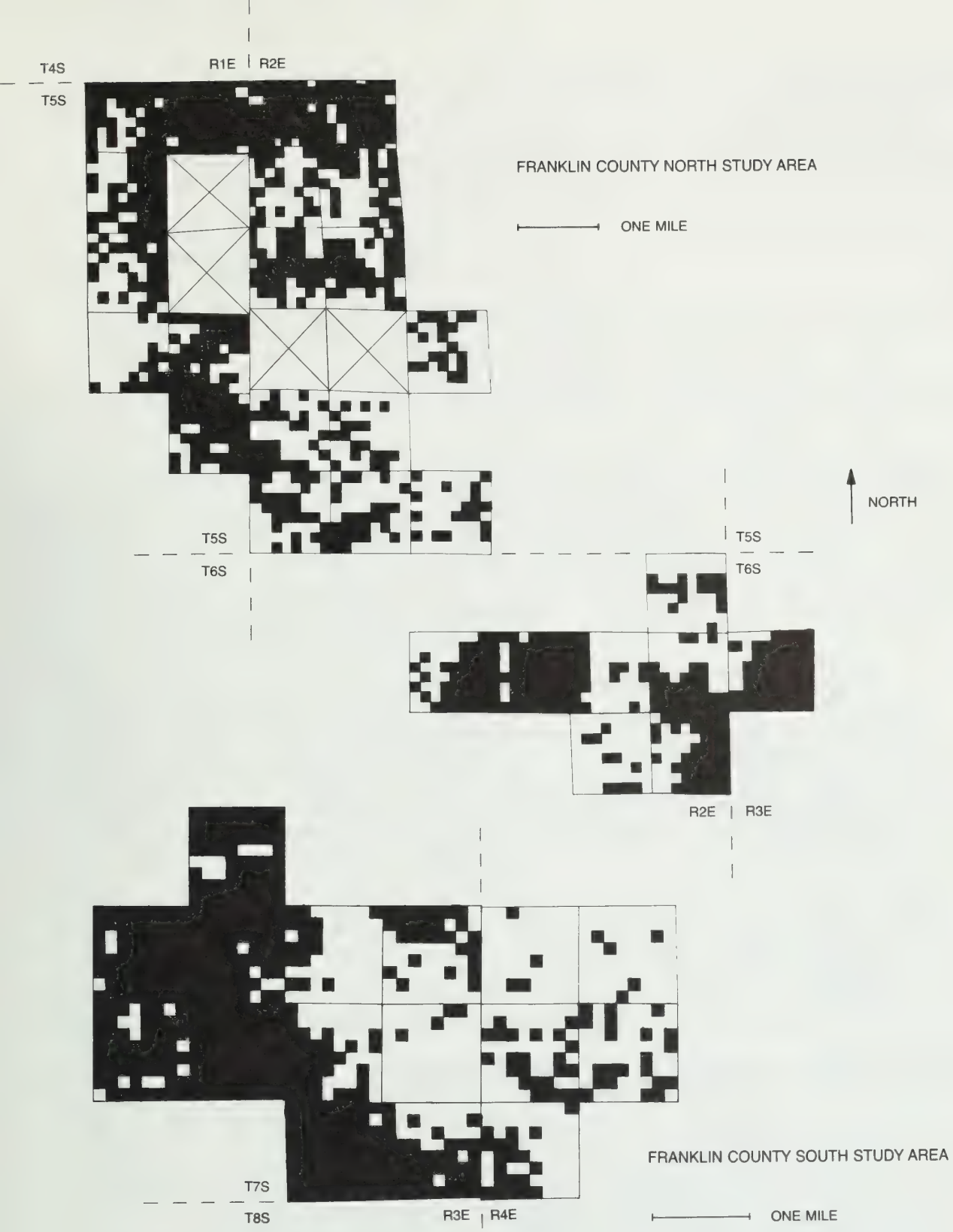

Figure 2 *(continued)*

Table 17 Sensitivity of study area soils to SIE

Sensitivity class†	Soils (slope %)
Highly sensitive	2; 12 (<2%); 84 (<2%); 109 (<2%); 3 (<2%); 13 (<2%); 382; 108
Moderately sensitive	12 (2-4%); 84 (2-4%); 3 (2-4%); 4 (<2%); 13 (2-4%); 109 (>2%); 72; 14 (<2%)
Somewhat sensitive	12 (>4%); 84 (>4%); 3 (>4%);4 2-4%); 5; 13 (4-7%); 814 (<4%); 14 (2-4%)
Essentially insensitive	4 (>4%); 8; 13 (>7%); 814 (>4%); 14

†Assigned rating of those soils as described in the study area. See Table 6 for names associated with soil numbers.

Table 18 Sensitivity of study area prime agricultural soils to SIE

Soil	(slope)	Sensitivity class†
2	Cisne	1
3	Hoyleton (<2%)	1
3	Hoyleton (2-4%)	2
3	Hoyleton (4-7%)	3
4	Richview (<2%)	2
4	Richview (2-4%)	3
13	Bluford (<2%)	1
13	Bluford (2-4%)	2
14	Ava (<2%)	2
14	Ava (2-4%)	3
72	Sharon	2
108	Bonnie	1
109	Racoon (<2%)	1
109	Racoon (2-4%)	2
382	Belknap	1

†Sensitivity class names: 1, highly sensitive; 2, moderately sensitive; 3, somewhat sensitive

Impact of Mining Methods

This portion of the discussion is limited to longwall (LW) and high-extraction retreat (HER) type mines, which are the mines of primary interest in this study. Subsidence effects of LW mining are much more evident than those of HER mining. Individual subsided LW panels are more clearly demarcated than HER panels, especially on level divides or in bottoms. The lines of coal pillars left between LW panels often stand as noticeable ridges between panels. These between-panel pillars are usually removed in HER mining. However,

when these pillars are partially removed or not removed, prominent ridges may remain between blocks of panels. Where the pillars are removed, a much larger area subsides and the edges of the subsided area are less well defined. In addition, HER mine borders often follow man-made features, such as fence rows, railroads, or highways. Furthermore, they are difficult to distinguish on rolling topography, and HER wet areas tend to be more randomly distributed and less well demarcated than the LW wet areas.

Both types of mining make previously wet soils wetter; for example, a subsided panel can cause ponding by changing the local base level of a stream. This impact is greatest in areas of subtle topography. The orientation of LW panels and the edges of HER mines may be important in determining the severity of the subsidence effects, although the data from this study are inconclusive on this point. Table 19 gives the frequency of SIE classes by panel orientation, and Table 20 gives the frequency of panel orientation by mine type. When expressed on a weighted average distribution basis, panel orientation class 2 (panels oriented perpendicular to the slope) has the highest frequency of SIE of the sloping areas with HER mines. But with LW mines, panel orientation class 1 (panels parallel to the slope) has the highest SIE frequency. With both mine types, panel orientation class 3 (panels on nearly level slope) had the greatest SIE frequency, again indicating the impact of subsidence on nearly level ground.

Subsidence effects also vary with weather conditions. The 1985 growing season was particularly rainy in southern Illinois (Table 9), and the effects observed may be representative of a "wet" year. The 1986 growing season had very favorable soil moisture (Table 10) and may represent a "normal" year. The 1987 season was rather dry. In an unusually dry year, crops may respond favorably to increased soil wetness in some cases. In addition, crops initially affected by early season excessive wetness may show no ill effects later on (Table 11).

This study did not address some other possible consequences of subsidence. For example, fields with SIE may have been planted later or portions thereof replanted due to wetness, reducing yield and increasing management costs. These variables were controlled by using a large number of samples spread out over the entire research area and by pairing every sample with a control from the same field.

A summary of the subsidence-affected areas by mine type is given in Table 21. The results in Table 21 reflect all effects observed in the mine type areas in the study year and represent all the factors that influence subsidence, such as weather, time since subsidence, and previous mitigation efforts. In general, the extent of a SIE class was inversely related to its severity, and a significantly (5%) higher frequency of SIE classes 2, 3, and 4 was recorded for the LW mine type than for the HER type. SIE class 3 and 4 were significantly (5%) greater in 1985 than in the other years for both mine types, as expected in that wet year. A chi-square test revealed that the difference between mine types was significant. These results, coupled with the yield estimates, indicate that on a per-acre mined basis, the LW method had a greater negative impact on agriculture than HER.

Table 19 Frequency of SIE by panel orientation

SIE class	Panel orientation† 1				2				3				4‡			
	1985	1986	1987	Avg	1985	1986	1987	Avg	1985	1986	1987	Avg	1985	1986	1987	Avg
	SIE Frequency (%)															
Longwall																
None	72.7	67.6	59.3		84.4	78.6	71.2		40.0	67.3	52.9					
				91.5				96.2				89.9				
Slight	13.6	27.9	33.3		12.5	19.0	23.7		42.5	24.5	40.0					
Moderate	11.4	1.5	6.2		3.1	2.4	5.1		12.5	2.0	4.3					
				8.5				3.8				10.1				
Severe	2.3	2.9	1.2		0	0	0		5.0	6.1	2.9					
Total	100	100	100	100	100	100	100	100	100	100	100	100				
High-extraction retreat																
None	93.2	93.6	92.2		91.7	91.1	89.6		87.6	89.8	86.7		94.6	92.5	91.3	
				98.0				97.5				93.7				97.5
Slight	4.6	4.2	6.3		3.2	6.1	9.7		3.2	4.5	8.1		3.5	3.1	7.6	
Moderate	1.9	2.3	1.2		4.5	2.8	0.4		8.8	5.0	4.0		2.0	3.8	1.2	
				2.0				2.5				6.3				2.5
Severe	0.2	0	0.3		0.6	0	0.4		0.4	0.8	1.2		0	0.6	0	
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

†Panel orientation classes: 1, parallel to regional slope; 2, perpendicular to regional slope; 3, nearly level slope; 4, complex slope, rolling ground.

‡There were no panel 4 longwall mines.

Table 20 Frequency of panel orientations

	Panel orientation†											
	1			2			3			4		
Mine type	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987
	Frequency (%)											
LW	37.9	42.8	38.6	27.6	26.4	28.1	34.5	30.8	33.3	0	0	0
Average		39.8			27.4			32.9			0	
HER	40.4	38.1	38.9	15.4	14.2	15.8	24.5	26.5	25.2	19.8	21.2	20.2
Average		39.1			15.1			25.4			20.4	

†Panel orientation classes: 1, parallel to regional slope; 2, perpendicular to regional slope; 3, nearly level slope; 4, complex slope, rolling ground.

Table 21 Summary of subsidence-affected areas, 1985, 1986, 1987

	Mining type							
	Longwall				High-extraction retreat			
SIE class	1985	1986	1987	Avg	1985	1986	1987	Avg
	Percent total mine type area†							
None	64.6	70.9	65.5	64.7	91.9	92.0	90.2	91.2
Slight	23.3	24.5	32.9	27.8	3.8	4.3	7.5	5.5
Moderate	9.5	1.9	5.2	5.2	4.0	3.4	1.8	2.9
Severe	2.6	3.2	1.4	2.3	0.3	0.3	0.5	0.4

†Within each SIE class, differences between mining types were found to be significant at the 5% level. No significant difference was found between years for HER type mining. A significant difference was found between years for LW type mining.

The weighted average reduction in yield per acre is given in Table 22. The overall reduction in yield was 4.7 percent for LW mines and 1.8 percent for the HER mines. Because the weather over the three years of the study included one wet, one dry, and one "normal" year these results should be representative. Compared with similar unmined

areas, corn yield was reduced by LW mining by 4.7 percent and by HER mining by 1.8 percent. These estimates include only the land directly over the mine panels and do not reflect replanting costs, harvest losses, or other costs.

Table 22 Overall reduction of corn yield, 1985, 1986, and 1987

	Corn yield reduction (%)†			
Mine type	1985	1986	1987	Avg
Longwall	7.4	4.2	2.4	4.7
High-extraction retreat	2.4	2.2	0.9	1.8

†Weighted average reduction in yield.

CONCLUSIONS AND RECOMMENDATIONS

The results of this study indicate that the overall impact of subsidence on crop production in terms of yield is slight. Although the impact on a single field or to an individual farmer may be great, when expressed on a total mine area, the maximum yield reduction determined was less than 10 percent. The results of this study indicate that longwall (LW) mining has significantly more impact on crop production than high-extraction retreat (HER) mining, which may be due to several factors. Individual LW panels tend to be more evident on the landscape. Unlike HER panels, LW panels are well defined by a line of coal pillars left between the panels. The HER operation removes as many of these between-panel pillars as possible, thus eliminating the pronounced high divides on the ground surface between panels and consequently causing subsidence of a larger, less well-defined area. These large areas are less susceptible to ponding. In addition, the average maximum amount of subsidence over HER is about 1 to 1.5 ft less than with LW (Bauer and Hunt, 1982).

Another factor that can influence the impact of subsidence is panel orientation. Data from this study were not sufficient to find a statistically significant relationship. However, it was generally observed that mine panel edges that run perpendicular to natural drainageways tend to act as dams whereas those that run parallel with drainageways have less impact.

Recommendations to minimize the impact of subsidence on crop production are as follows: i) minimize the relative length of mine panel perimeters and the number of between-panel pillars by keeping the panels and the subsided areas as large as possible, and ii) orient

panels so that edges run parallel to natural drains. These recommendations are most important in areas of subtle topography, low relief, and high water tables.

These results are based upon the conditions in 1985, 1986 and 1987. The results reflect not only the impact of subsidence but also the mitigation efforts in place at the time of the study. They do not address the long-term possibilities for mitigation or the permanence of the yield reductions and mitigation effects. Most importantly, the results reflect the weather during the three growing seasons. Weather variability was ideal during the study. The 1985 season was wet, 1987 was dry, and 1986 was a "normal" year. Subsidence was near the average for the three years in 1986, greatest in 1985, and least in 1987.

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APPENDIX A. REMOTE SENSING RAW DATA

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
INLAND	BALD HILL	22	1A	1	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	22	1B	1	-	-	1	-	-	1	-	-	5	-	-	14	10
INLAND	BALD HILL	22	1C	1	-	-	1	-	-	1	-	-	5	-	-	72	1
INLAND	BALD HILL	22	1D	1	-	-	1	-	-	1	-	-	5	-	-	72	1
INLAND	BALD HILL	22	1E	2	-	-	1	-	-	1	-	-	5	-	-	14	10
INLAND	BALD HILL	22	1F	2	-	-	1	-	-	1	-	-	5	-	-	14	10
INLAND	BALD HILL	22	1G	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	22	1H	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	22	2A	1	-	-	1	-	-	1	-	-	5	-	-	72	1
INLAND	BALD HILL	22	2B	1	-	-	1	-	-	1	-	-	5	-	-	72	1
INLAND	BALD HILL	22	2C	2	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	22	2D	2	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	22	2E	2	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	22	2F	2	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	22	2G	2	-	-	1	-	-	1	-	-	5	-	-	14	10
INLAND	BALD HILL	22	2H	1	-	-	1	-	-	1	-	-	5	-	-	14	10
INLAND	BALD HILL	22	3A	1	-	-	1	-	-	1	-	-	5	-	-	72	1
INLAND	BALD HILL	22	3B	1	-	-	1	-	-	1	-	-	5	-	-	14	10
INLAND	BALD HILL	22	3C	1	-	-	1	-	-	1	-	-	5	-	-	14	6
INLAND	BALD HILL	22	3D	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	22	3E	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	22	3F	2	-	-	1	-	-	1	-	-	5	-	-	14	10
INLAND	BALD HILL	22	3G	1	-	-	1	-	-	1	-	-	5	-	-	14	10
INLAND	BALD HILL	22	3H	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	22	4A	2	-	-	1	-	-	1	-	-	5	-	-	72	1
INLAND	BALD HILL	22	4B	2	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	22	4C	1	-	-	1	-	-	1	-	-	5	-	-	14	10
INLAND	BALD HILL	22	4D	1	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	22	4E	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	22	4F	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	22	4G	2	-	-	1	-	-	1	-	-	5	-	-	14	6
INLAND	BALD HILL	22	4H	3	-	-	1	-	-	1	-	-	5	-	-	0	1
INLAND	BALD HILL	22	5A	2	-	-	1	-	-	1	-	-	5	-	-	14	6
INLAND	BALD HILL	22	5B	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	22	5C	2	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	22	5D	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	22	5E	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	22	5F	1	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	22	5G	2	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	22	5H	1	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	22	6A	2	-	-	1	-	-	1	-	-	5	-	-	14	10
INLAND	BALD HILL	22	6B	1	-	-	1	-	-	1	-	-	5	-	-	14	10
INLAND	BALD HILL	22	6C	2	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	22	6D	1	-	-	1	-	-	1	-	-	5	-	-	14	10
INLAND	BALD HILL	22	6E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	22	6F	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	22	6G	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	22	6H	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	22	7A	1	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	22	7B	2	-	-	1	-	-	1	-	-	5	-	-	14	6
INLAND	BALD HILL	22	7C	2	-	-	1	-	-	1	-	-	5	-	-	14	10
INLAND	BALD HILL	22	7D	1	-	-	1	-	-	1	-	-	5	-	-	13	10

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

	LOCATION			LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
INLAND	BALD HILL	22	7E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	22	7F	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	22	7G	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	22	7H	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	22	8A	2	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	22	8B	2	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	22	8C	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	22	8D	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	22	8E	1	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	22	8F	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	22	8G	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	22	8H	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	1A	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	1B	2	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	23	1C	2	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	23	1D	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	23	1E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	1F	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	23	1G	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	1H	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	23	2A	2	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	23	2B	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	2C	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	2D	1	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	23	2E	3	-	-	1	-	-	1	-	-	5	-	-	0	1
INLAND	BALD HILL	23	2F	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	23	2G	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	23	2H	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	3A	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	23	3B	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	23	3C	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	3D	2	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	3E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	3F	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	3G	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	3H	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	4A	2	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	23	4B	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	4C	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	23	4D	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	23	4E	2	-	-	1	-	-	1	-	-	5	-	-	12	1
INLAND	BALD HILL	23	4F	2	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	23	4G	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	4H	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	23	5A	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	5B	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	23	5C	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	23	5D	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	23	5E	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	23	5F	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	5G	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	23	5H	1	-	-	1	-	-	1	-	-	5	-	-	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
INLAND	BALD HILL	23	6A	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	6B	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	23	6C	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	6D	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	23	6E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	6F	2	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	6G	2	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	6H	2	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	7A	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	7B	1	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	23	7C	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	23	7D	4	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	23	7E	1	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	23	7F	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	7G	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	7H	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	23	8A	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	23	8B	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	8C	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	8D	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	23	8E	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	23	8F	2	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	23	8G	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	23	8H	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	24	1A	1	-	1	1	-	1	1	-	1	5	-	5	13	6
INLAND	BALD HILL	24	1B	1	-	1	1	-	1	1	-	1	5	-	5	13	6
INLAND	BALD HILL	24	1C	1	-	1	1	-	1	1	-	1	5	-	5	14	10
INLAND	BALD HILL	24	1D	1	-	1	1	-	1	1	-	1	5	-	5	14	10
INLAND	BALD HILL	24	1E	2	-	2	1	-	1	1	-	1	5	-	5	14	10
INLAND	BALD HILL	24	1F	2	-	2	1	-	1	1	-	5	5	-	2	13	10
INLAND	BALD HILL	24	1G	1	-	1	1	-	1	1	-	5	5	-	2	13	6
INLAND	BALD HILL	24	1H	1	-	1	3	-	1	5	-	5	2	-	2	13	6
INLAND	BALD HILL	24	2A	1	-	1	1	-	1	1	-	1	5	-	5	13	6
INLAND	BALD HILL	24	2B	1	-	1	1	-	1	1	-	1	5	-	5	13	6
INLAND	BALD HILL	24	2C	2	-	2	1	-	1	1	-	1	5	-	5	13	10
INLAND	BALD HILL	24	2D	2	-	2	1	-	1	1	-	1	5	-	5	14	10
INLAND	BALD HILL	24	2E	2	-	2	1	-	1	1	-	1	5	-	5	14	6
INLAND	BALD HILL	24	2F	2	-	2	1	-	1	1	-	5	5	-	1	14	10
INLAND	BALD HILL	24	2G	1	-	1	1	-	1	1	-	5	5	-	4	13	3
INLAND	BALD HILL	24	2H	1	-	1	1	-	1	3	-	5	5	-	4	13	3
INLAND	BALD HILL	24	3A	1	-	1	1	-	1	1	-	1	5	-	5	13	6
INLAND	BALD HILL	24	3B	1	-	1	1	-	1	1	-	1	5	-	5	13	6
INLAND	BALD HILL	24	3C	1	-	1	1	-	1	1	-	1	5	-	5	13	6
INLAND	BALD HILL	24	3D	1	-	1	1	-	1	1	-	1	5	-	5	14	10
INLAND	BALD HILL	24	3E	1	-	1	1	-	1	1	-	1	5	-	5	13	3
INLAND	BALD HILL	24	3F	1	-	1	1	-	1	1	-	5	5	-	1	13	6
INLAND	BALD HILL	24	3G	1	-	1	1	-	1	1	-	5	5	-	3	13	1
INLAND	BALD HILL	24	3H	1	-	1	1	-	1	3	-	5	5	-	4	13	3
INLAND	BALD HILL	24	4A	1	-	1	1	-	1	1	-	1	5	-	5	13	6
INLAND	BALD HILL	24	4B	1	-	1	1	-	1	1	-	1	5	-	5	13	6
INLAND	BALD HILL	24	4C	1	-	1	1	-	1	1	-	1	5	-	5	13	6
INLAND	BALD HILL	24	4D	2	-	2	1	-	1	1	-	1	5	-	5	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
INLAND	BALD HILL	24	4E	1	-	1	1	-	1	1	-	1	5	-	5	13	6
INLAND	BALD HILL	24	4F	1	-	1	1	-	1	1	-	3	5	-	5	13	3
INLAND	BALD HILL	24	4G	1	-	1	1	-	1	1	-	5	5	-	1	13	6
INLAND	BALD HILL	24	4H	1	-	1	1	-	1	3	-	5	5	-	4	13	6
INLAND	BALD HILL	24	5A	1	-	1	1	-	1	1	-	1	5	-	5	13	10
INLAND	BALD HILL	24	5B	1	-	1	1	-	1	1	-	1	5	-	5	13	6
INLAND	BALD HILL	24	5C	1	-	1	1	-	1	1	-	1	5	-	5	13	10
INLAND	BALD HILL	24	5D	2	-	2	1	-	1	1	-	1	5	-	5	13	6
INLAND	BALD HILL	24	5E	1	-	1	1	-	1	1	-	1	5	-	5	13	3
INLAND	BALD HILL	24	5F	1	-	1	1	-	1	1	-	3	5	-	5	13	3
INLAND	BALD HILL	24	5G	2	-	2	1	-	1	1	-	5	5	-	2	13	3
INLAND	BALD HILL	24	5H	1	-	1	1	-	1	1	-	5	5	-	1	13	6
INLAND	BALD HILL	24	6A	1	-	1	1	-	1	1	-	1	5	-	5	13	3
INLAND	BALD HILL	24	6B	1	-	1	1	-	1	1	-	1	5	-	5	13	3
INLAND	BALD HILL	24	6C	1	-	1	1	-	1	1	-	1	5	-	5	13	3
INLAND	BALD HILL	24	6D	1	-	1	1	-	1	1	-	1	5	-	5	13	3
INLAND	BALD HILL	24	6E	1	-	1	1	-	1	1	-	3	5	-	5	13	3
INLAND	BALD HILL	24	6F	1	-	1	1	-	1	1	-	3	5	-	5	13	6
INLAND	BALD HILL	24	6G	2	-	2	1	-	1	3	-	3	5	-	5	13	6
INLAND	BALD HILL	24	6H	1	-	1	1	-	1	3	-	3	5	-	5	13	6
INLAND	BALD HILL	24	7A	1	-	1	1	-	1	1	-	1	5	-	5	13	3
INLAND	BALD HILL	24	7B	1	-	1	1	-	1	1	-	1	5	-	5	13	3
INLAND	BALD HILL	24	7C	1	-	1	1	-	1	1	-	1	5	-	5	13	1
INLAND	BALD HILL	24	7D	1	-	1	1	-	1	1	-	1	5	-	5	13	3
INLAND	BALD HILL	24	7E	1	-	1	1	-	1	1	-	3	5	-	5	13	6
INLAND	BALD HILL	24	7F	1	-	1	1	-	1	1	-	3	5	-	5	13	6
INLAND	BALD HILL	24	7G	1	-	1	2	-	1	2	-	2	5	-	5	13	6
INLAND	BALD HILL	24	7H	1	-	1	1	-	1	2	-	2	5	-	5	13	3
INLAND	BALD HILL	24	8A	1	-	1	1	-	1	1	-	1	5	-	5	13	6
INLAND	BALD HILL	24	8B	1	-	1	1	-	1	1	-	1	5	-	5	13	6
INLAND	BALD HILL	24	8C	1	-	1	1	-	1	1	-	1	5	-	5	13	3
INLAND	BALD HILL	24	8D	1	-	1	1	-	1	1	-	1	5	-	5	13	3
INLAND	BALD HILL	24	8E	1	-	1	1	-	1	1	-	1	5	-	5	13	6
INLAND	BALD HILL	24	8F	1	-	1	2	-	1	5	-	5	1	-	1	13	6
INLAND	BALD HILL	24	8G	1	-	1	1	-	1	5	-	5	2	-	2	13	6
INLAND	BALD HILL	24	8H	2	-	2	1	-	1	2	-	2	5	-	5	13	3
INLAND	BALD HILL	25	1A	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	25	1B	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	25	1C	1	1	1	1	1	1	1	1	1	5	5	5	13	6
INLAND	BALD HILL	25	1D	1	1	1	1	1	1	1	1	1	5	5	5	13	6
INLAND	BALD HILL	25	1E	1	1	1	2	1	2	3	3	3	5	5	5	13	6
INLAND	BALD HILL	25	1F	1	1	1	2	1	2	5	5	5	1	1	1	13	6
INLAND	BALD HILL	25	1G	1	1	1	1	1	1	5	5	5	4	4	4	13	6
INLAND	BALD HILL	25	1H	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	25	2A	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	25	2B	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	25	2C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	25	2D	1	1	1	1	1	1	1	1	1	5	5	5	13	6
INLAND	BALD HILL	25	2E	1	1	1	1	1	1	1	1	1	5	5	5	13	6
INLAND	BALD HILL	25	2F	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	25	2G	2	2	2	1	1	1	5	5	5	4	4	4	13	3
INLAND	BALD HILL	25	2H	1	1	1	2	1	2	5	5	5	4	4	4	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
INLAND	BALD HILL	25	3A	1	1	1	1	1	1	1	1	1	5	5	5	13	6
INLAND	BALD HILL	25	3B	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	25	3C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	25	3D	2	2	2	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	25	3E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	25	3F	2	2	2	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	25	3G	2	2	2	1	1	1	5	5	5	4	4	4	13	3
INLAND	BALD HILL	25	3H	2	2	2	1	1	1	5	5	5	2	2	2	13	3
INLAND	BALD HILL	25	4A	2	2	2	1	1	1	1	1	1	5	5	5	13	10
INLAND	BALD HILL	25	4B	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	25	4C	2	2	2	1	1	1	1	1	1	5	5	5	13	1
INLAND	BALD HILL	25	4D	2	2	2	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	25	4E	1	1	1	1	1	1	1	1	1	5	5	5	13	1
INLAND	BALD HILL	25	4F	2	2	2	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	25	4G	2	2	2	1	1	1	5	5	5	2	2	2	13	3
INLAND	BALD HILL	25	4H	2	2	2	1	1	1	5	5	5	2	2	2	13	3
INLAND	BALD HILL	25	5A	2	2	2	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	25	5B	2	2	2	1	1	1	5	5	5	2	2	2	13	3
INLAND	BALD HILL	25	5C	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	25	5D	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	25	5E	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	25	5F	1	1	1	1	1	1	5	5	5	1	1	1	13	6
INLAND	BALD HILL	25	5G	2	2	2	1	1	1	5	5	5	1	1	1	13	10
INLAND	BALD HILL	25	5H	4	4	4	1	1	1	3	3	3	5	5	5	13	6
INLAND	BALD HILL	25	6A	2	2	2	1	1	1	5	5	5	4	4	4	13	3
INLAND	BALD HILL	25	6B	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	25	6C	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	25	6D	1	1	1	1	1	1	5	5	5	4	4	4	13	3
INLAND	BALD HILL	25	6E	2	2	2	1	1	1	5	5	5	4	4	4	13	10
INLAND	BALD HILL	25	6F	2	2	2	1	1	1	5	5	5	4	4	4	13	10
INLAND	BALD HILL	25	6G	1	1	1	1	1	1	5	5	5	2	2	2	13	6
INLAND	BALD HILL	25	6H	1	1	1	1	1	1	5	5	5	2	2	2	13	6
INLAND	BALD HILL	25	7A	1	1	1	1	1	1	5	5	5	3	3	3	2	1
INLAND	BALD HILL	25	7B	1	1	1	1	1	1	5	5	5	2	2	2	3	3
INLAND	BALD HILL	25	7C	1	1	1	1	1	2	5	5	5	3	3	3	2	1
INLAND	BALD HILL	25	7D	1	1	1	3	3	2	5	5	5	4	4	4	3	3
INLAND	BALD HILL	25	7E	2	2	2	1	1	1	5	5	5	4	4	4	3	3
INLAND	BALD HILL	25	7F	2	2	2	1	1	1	5	5	5	3	3	3	2	1
INLAND	BALD HILL	25	7G	4	4	4	1	1	1	5	5	5	3	3	3	2	1
INLAND	BALD HILL	25	7H	2	2	1	1	1	1	5	5	5	3	3	3	2	1
INLAND	BALD HILL	25	8A	1	1	1	1	1	1	5	5	5	3	3	3	3	1
INLAND	BALD HILL	25	8B	1	1	1	1	1	1	5	5	5	2	2	2	4	3
INLAND	BALD HILL	25	8C	1	1	1	1	1	1	5	5	5	1	1	1	4	3
INLAND	BALD HILL	25	8D	1	1	1	1	2	1	5	5	5	3	3	3	3	1
INLAND	BALD HILL	25	8E	2	2	2	1	1	1	5	5	5	3	3	3	3	1
INLAND	BALD HILL	25	8F	1	1	1	1	1	1	5	5	5	3	3	3	2	1
INLAND	BALD HILL	25	8G	2	2	2	1	1	1	5	5	5	1	1	1	3	6
INLAND	BALD HILL	25	8H	1	1	1	1	1	1	5	5	5	3	3	3	2	1
INLAND	BALD HILL	26	1A	1	1	1	1	1	1	1	1	1	5	5	5	13	1
INLAND	BALD HILL	26	1B	2	2	2	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	26	1C	1	1	1	1	1	1	1	1	1	5	5	5	13	6
INLAND	BALD HILL	26	1D	1	1	1	1	1	1	1	1	1	5	5	5	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
INLAND	BALD HILL	26	1E	1	1	1	1	1	1	1	1	1	5	5	5	13	1
INLAND	BALD HILL	26	1F	1	1	1	1	1	1	1	1	1	5	5	5	13	1
INLAND	BALD HILL	26	1G	1	1	1	1	1	1	1	1	1	5	5	5	13	1
INLAND	BALD HILL	26	1H	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	26	2A	1	1	1	1	1	1	1	1	1	5	5	5	13	1
INLAND	BALD HILL	26	2B	1	1	1	1	1	1	1	1	1	5	5	5	13	1
INLAND	BALD HILL	26	2C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	26	2D	1	1	1	1	1	1	1	1	1	5	5	5	12	3
INLAND	BALD HILL	26	2E	1	1	1	1	1	1	1	1	1	5	5	5	12	1
INLAND	BALD HILL	26	2F	1	1	1	1	1	1	1	1	1	5	5	5	12	1
INLAND	BALD HILL	26	2G	1	1	1	1	1	1	1	1	1	5	5	5	13	1
INLAND	BALD HILL	26	2H	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	26	3A	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	26	3B	1	1	1	1	1	1	1	1	1	5	5	5	13	6
INLAND	BALD HILL	26	3C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	26	3D	1	1	1	1	1	1	1	1	1	5	5	5	12	1
INLAND	BALD HILL	26	3E	1	1	1	1	1	1	1	1	1	5	5	5	13	1
INLAND	BALD HILL	26	3F	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	26	3G	1	1	1	1	1	1	1	1	1	5	5	5	13	1
INLAND	BALD HILL	26	3H	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	26	4A	1	1	1	1	1	1	1	1	1	5	5	5	13	6
INLAND	BALD HILL	26	4B	1	1	1	1	1	1	1	1	1	5	5	5	13	1
INLAND	BALD HILL	26	4C	1	1	1	1	1	1	1	1	1	5	5	5	13	1
INLAND	BALD HILL	26	4D	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	26	4E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	26	4F	1	1	1	1	1	2	1	1	1	5	5	5	13	1
INLAND	BALD HILL	26	4G	1	1	1	1	1	1	1	1	1	5	5	5	13	1
INLAND	BALD HILL	26	4H	1	1	1	1	1	1	1	1	1	5	5	5	13	3
INLAND	BALD HILL	26	5A	1	1	1	1	1	1	3	3	3	5	5	5	13	6
INLAND	BALD HILL	26	5B	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	26	5C	1	1	1	1	1	1	5	5	5	3	3	3	13	1
INLAND	BALD HILL	26	5D	1	1	1	1	1	1	3	3	3	5	5	5	13	1
INLAND	BALD HILL	26	5E	1	1	1	2	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	26	5F	1	1	2	2	1	1	5	5	5	3	3	3	12	1
INLAND	BALD HILL	26	5G	1	1	2	1	1	1	5	5	5	3	3	3	12	1
INLAND	BALD HILL	26	5H	1	1	2	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	26	6A	1	1	1	1	1	1	3	3	3	5	5	5	13	6
INLAND	BALD HILL	26	6B	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	26	6C	1	1	1	1	1	1	5	5	5	1	1	1	13	6
INLAND	BALD HILL	26	6D	1	1	1	1	1	1	5	5	5	1	1	1	13	6
INLAND	BALD HILL	26	6E	1	1	1	2	1	1	5	5	5	2	2	2	13	3
INLAND	BALD HILL	26	6F	1	1	1	2	1	1	5	5	5	3	3	3	13	1
INLAND	BALD HILL	26	6G	1	1	1	1	1	2	5	5	5	3	3	3	13	1
INLAND	BALD HILL	26	6H	1	1	1	1	1	2	5	5	5	3	3	3	13	1
INLAND	BALD HILL	26	7A	2	2	2	1	1	1	3	3	3	5	5	5	13	10
INLAND	BALD HILL	26	7B	2	2	2	1	1	1	5	5	5	2	2	2	13	6
INLAND	BALD HILL	26	7C	1	1	1	1	1	1	5	5	5	1	1	1	12	6
INLAND	BALD HILL	26	7D	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	26	7E	1	1	1	1	1	1	5	5	5	2	2	2	13	3
INLAND	BALD HILL	26	7F	1	1	1	1	1	1	5	5	5	4	4	4	13	3
INLAND	BALD HILL	26	7G	1	1	1	1	1	1	5	5	5	3	3	3	13	1
INLAND	BALD HILL	26	7H	1	1	1	1	1	1	5	5	5	3	3	3	13	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
INLAND	BALD HILL	26	8A	1	1	1	1	1	1	3	3	3	5	5	5	13	3
INLAND	BALD HILL	26	8B	2	2	2	1	1	1	5	5	5	2	2	2	14	10
INLAND	BALD HILL	26	8C	1	1	1	1	1	1	5	5	5	1	1	1	13	6
INLAND	BALD HILL	26	8D	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	26	8E	1	1	1	1	1	1	5	5	5	1	1	1	13	6
INLAND	BALD HILL	26	8F	1	1	1	1	1	2	5	5	5	4	4	4	13	3
INLAND	BALD HILL	26	8G	1	1	1	1	1	1	5	5	5	3	3	3	3	1
INLAND	BALD HILL	26	8H	1	1	1	1	1	1	5	5	5	3	3	3	3	1
INLAND	BALD HILL	27	1A	1	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	27	1B	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	27	1C	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	27	1D	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	27	1E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	27	1F	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	27	1G	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	27	1H	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	27	2A	2	-	-	1	-	-	1	-	-	5	-	-	14	10
INLAND	BALD HILL	27	2B	1	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	27	2C	2	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	27	2D	1	-	-	1	-	-	1	-	-	5	-	-	13	10
INLAND	BALD HILL	27	2E	1	-	-	1	-	-	1	-	-	5	-	-	12	3
INLAND	BALD HILL	27	2F	1	-	-	1	-	-	1	-	-	5	-	-	12	1
INLAND	BALD HILL	27	2G	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	27	2H	1	-	-	1	-	-	1	-	-	5	-	-	12	3
INLAND	BALD HILL	27	3A	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	27	3B	1	-	-	1	-	-	1	-	-	5	-	-	14	10
INLAND	BALD HILL	27	3C	2	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	27	3D	1	-	-	1	-	-	1	-	-	5	-	-	12	3
INLAND	BALD HILL	27	3E	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	27	3F	2	-	-	1	-	-	1	-	-	5	-	-	12	1
INLAND	BALD HILL	27	3G	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	27	3H	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	27	4A	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	27	4B	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	27	4C	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	27	4D	1	-	-	1	-	-	1	-	-	5	-	-	12	1
INLAND	BALD HILL	27	4E	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	27	4F	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	27	4G	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	27	4H	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	27	5A	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	27	5B	1	-	-	1	-	-	1	-	-	5	-	-	12	3
INLAND	BALD HILL	27	5C	1	-	-	1	-	-	1	-	-	5	-	-	12	1
INLAND	BALD HILL	27	5D	1	-	-	1	-	-	1	-	-	5	-	-	12	1
INLAND	BALD HILL	27	5E	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	27	5F	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	27	5G	2	-	-	1	-	-	5	-	-	1	-	-	13	3
INLAND	BALD HILL	27	5H	2	-	-	1	-	-	3	-	-	5	-	-	13	10
INLAND	BALD HILL	27	6A	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	27	6B	1	-	-	1	-	-	1	-	-	5	-	-	12	3
INLAND	BALD HILL	27	6C	1	-	-	1	-	-	1	-	-	5	-	-	12	1
INLAND	BALD HILL	27	6D	1	-	-	1	-	-	1	-	-	5	-	-	13	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
INLAND	BALD HILL	27	6E	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	27	6F	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	27	6G	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	27	6H	1	-	-	1	-	-	3	-	-	5	-	-	13	10
INLAND	BALD HILL	27	7A	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	27	7B	2	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	27	7C	1	-	-	1	-	-	1	-	-	5	-	-	12	1
INLAND	BALD HILL	27	7D	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	27	7E	2	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	27	7F	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	27	7G	1	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	27	7H	2	-	-	1	-	-	3	-	-	5	-	-	14	10
INLAND	BALD HILL	27	8A	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	27	8B	1	-	-	1	-	-	1	-	-	5	-	-	13	1
INLAND	BALD HILL	27	8C	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	27	8D	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	27	8E	2	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	27	8F	2	-	-	1	-	-	1	-	-	5	-	-	13	6
INLAND	BALD HILL	27	8G	1	-	-	1	-	-	1	-	-	5	-	-	13	3
INLAND	BALD HILL	27	8H	1	-	-	1	-	-	3	-	-	5	-	-	13	10
INLAND	BALD HILL	35	1A	1	1	1	1	1	1	3	3	3	5	5	5	72	1
INLAND	BALD HILL	35	1B	1	1	1	1	2	1	5	5	5	1	1	1	14	10
INLAND	BALD HILL	35	1C	1	1	1	1	1	1	5	5	5	2	2	2	13	6
INLAND	BALD HILL	35	1D	2	2	2	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	35	1E	2	2	2	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	35	1F	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	35	1G	1	1	1	1	1	1	5	5	5	3	3	3	3	1
INLAND	BALD HILL	35	1H	1	1	1	1	1	1	5	5	5	3	3	3	3	1
INLAND	BALD HILL	35	2A	1	1	1	1	1	1	3	3	5	5	5	1	13	10
INLAND	BALD HILL	35	2B	1	1	1	1	1	1	3	3	3	5	5	5	13	3
INLAND	BALD HILL	35	2C	1	1	1	3	1	1	3	3	3	5	5	5	13	3
INLAND	BALD HILL	35	2D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
INLAND	BALD HILL	35	2E	1	1	1	1	3	2	3	3	3	5	5	5	4	3
INLAND	BALD HILL	35	2F	1	1	1	1	1	1	3	3	3	5	5	5	4	3
INLAND	BALD HILL	35	2G	1	1	1	1	1	1	3	3	3	5	5	5	4	3
INLAND	BALD HILL	35	2H	1	1	1	1	1	1	3	3	3	5	5	5	4	3
INLAND	BALD HILL	35	3A	1	1	1	1	1	1	2	2	2	5	5	5	14	6
INLAND	BALD HILL	35	3B	1	1	1	1	1	1	2	2	2	5	5	5	13	10
INLAND	BALD HILL	35	3C	1	1	1	1	1	1	2	2	2	5	5	5	13	3
INLAND	BALD HILL	35	3D	1	1	1	1	1	1	3	3	3	5	5	5	3	1
INLAND	BALD HILL	35	3E	1	1	1	2	1	1	3	3	3	5	5	5	3	1
INLAND	BALD HILL	35	3F	1	1	1	1	1	1	3	3	3	5	5	5	4	3
INLAND	BALD HILL	35	3G	1	1	1	1	1	1	3	3	3	5	5	5	4	3
INLAND	BALD HILL	35	3H	1	1	1	1	1	1	3	3	3	5	5	5	3	1
INLAND	BALD HILL	35	4A	1	1	1	1	1	1	2	2	2	5	5	5	13	1
INLAND	BALD HILL	35	4B	2	2	2	1	1	1	2	2	2	5	5	5	13	3
INLAND	BALD HILL	35	4C	2	2	2	1	1	1	2	2	2	5	5	5	13	3
INLAND	BALD HILL	35	4D	1	1	1	1	1	1	2	2	2	5	5	5	3	1
INLAND	BALD HILL	35	4E	1	1	1	1	1	1	2	2	5	5	5	3	3	1
INLAND	BALD HILL	35	4F	1	1	1	1	1	1	3	3	5	5	5	2	4	3
INLAND	BALD HILL	35	4G	1	1	1	1	1	2	3	3	3	5	5	5	4	3
INLAND	BALD HILL	35	4H	1	1	1	1	1	1	5	5	5	3	3	3	3	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
INLAND	BALD HILL	35	5A	1	1	1	1	1	1	2	2	2	5	5	5	13	1
INLAND	BALD HILL	35	5B	1	1	1	1	1	1	2	2	2	5	5	5	13	1
INLAND	BALD HILL	35	5C	1	1	1	1	1	1	2	2	2	5	5	5	13	1
INLAND	BALD HILL	35	5D	1	1	1	1	1	1	2	2	2	5	5	5	13	1
INLAND	BALD HILL	35	5E	1	1	1	1	1	1	2	2	2	5	5	5	3	1
INLAND	BALD HILL	35	5F	1	1	1	1	1	1	3	3	5	5	5	2	13	3
INLAND	BALD HILL	35	5G	1	1	1	1	1	1	3	3	3	5	5	5	13	3
INLAND	BALD HILL	35	5H	1	1	1	1	1	1	5	5	5	3	3	3	3	1
INLAND	BALD HILL	35	6A	1	1	1	1	1	1	2	2	2	5	5	5	13	1
INLAND	BALD HILL	35	6B	1	1	1	1	1	1	2	2	2	5	5	5	13	1
INLAND	BALD HILL	35	6C	1	1	1	1	1	1	2	2	2	5	5	5	13	1
INLAND	BALD HILL	35	6D	1	1	1	1	1	1	2	2	2	5	5	5	13	1
INLAND	BALD HILL	35	6E	1	1	1	1	1	1	2	2	2	5	5	5	13	1
INLAND	BALD HILL	35	6F	1	1	1	1	1	1	3	3	3	5	5	5	13	3
INLAND	BALD HILL	35	6G	1	1	1	1	1	1	3	3	3	5	5	5	13	3
INLAND	BALD HILL	35	6H	1	1	1	1	1	1	3	3	3	5	5	5	13	1
INLAND	BALD HILL	35	7A	1	1	1	3	2	2	3	3	3	5	5	5	13	1
INLAND	BALD HILL	35	7B	1	1	1	1	1	1	3	3	3	5	5	5	13	1
INLAND	BALD HILL	35	7C	1	1	1	1	1	1	3	3	3	5	5	5	13	1
INLAND	BALD HILL	35	7D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
INLAND	BALD HILL	35	7E	1	1	1	1	1	1	5	5	5	1	1	1	13	6
INLAND	BALD HILL	35	7F	1	1	1	1	1	1	5	5	5	3	3	3	13	1
INLAND	BALD HILL	35	7G	1	1	1	1	1	1	3	3	3	5	5	5	13	3
INLAND	BALD HILL	35	7H	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	35	8A	1	1	1	3	2	1	3	3	3	5	5	5	13	1
INLAND	BALD HILL	35	8B	4	4	4	1	1	1	3	3	3	5	5	5	13	1
INLAND	BALD HILL	35	8C	1	1	1	1	1	1	3	3	3	5	5	5	13	1
INLAND	BALD HILL	35	8D	1	1	1	1	1	1	3	3	3	5	5	5	13	1
INLAND	BALD HILL	35	8E	1	1	1	1	1	1	5	5	5	1	1	1	13	6
INLAND	BALD HILL	35	8F	1	1	1	3	1	2	5	5	5	2	2	2	13	3
INLAND	BALD HILL	35	8G	1	1	1	1	1	1	3	3	3	5	5	5	13	3
INLAND	BALD HILL	35	8H	1	1	1	1	2	1	5	5	5	3	3	3	13	1
INLAND	BALD HILL	36	1A	1	1	1	3	1	2	5	5	5	3	3	3	3	1
INLAND	BALD HILL	36	1B	1	1	1	1	1	1	5	5	5	3	3	3	13	1
INLAND	BALD HILL	36	1C	1	1	1	2	1	1	5	5	5	1	1	1	4	3
INLAND	BALD HILL	36	1D	2	2	2	1	1	1	5	5	5	1	1	1	4	3
INLAND	BALD HILL	36	1E	1	1	1	1	1	1	5	5	5	1	1	1	4	3
INLAND	BALD HILL	36	1F	2	2	2	1	1	1	5	5	5	1	1	1	4	3
INLAND	BALD HILL	36	1G	1	1	1	1	3	2	5	5	5	2	2	2	4	3
INLAND	BALD HILL	36	1H	2	2	2	1	1	1	5	5	5	3	3	3	3	1
INLAND	BALD HILL	36	2A	1	1	1	1	1	1	3	3	3	5	5	5	3	1
INLAND	BALD HILL	36	2B	2	2	1	1	1	1	3	3	3	5	5	5	3	3
INLAND	BALD HILL	36	2C	1	1	1	3	1	1	3	3	3	5	5	5	2	1
INLAND	BALD HILL	36	2D	1	1	1	1	1	1	3	3	3	5	5	5	3	3
INLAND	BALD HILL	36	2E	1	1	1	1	1	1	3	3	3	5	5	5	3	3
INLAND	BALD HILL	36	2F	1	1	1	1	1	1	3	3	3	5	5	5	3	6
INLAND	BALD HILL	36	2G	1	1	1	1	1	1	3	3	3	5	5	5	13	1
INLAND	BALD HILL	36	2H	2	2	2	1	1	1	3	3	3	5	5	5	13	6
INLAND	BALD HILL	36	3A	1	1	1	1	2	2	3	3	3	5	5	5	3	1
INLAND	BALD HILL	36	3B	1	1	1	1	1	1	3	3	3	5	5	5	13	3
INLAND	BALD HILL	36	3C	1	1	1	1	1	2	3	3	3	5	5	5	2	1
INLAND	BALD HILL	36	3D	4	4	4	1	1	1	3	3	3	5	5	5	3	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
INLAND	BALD HILL	36	3E	1	1	1	1	1	1	3	3	3	5	5	5	3	3
INLAND	BALD HILL	36	3F	2	2	2	1	1	1	3	3	3	5	5	5	2	1
INLAND	BALD HILL	36	3G	1	1	1	1	3	2	3	3	3	5	5	5	3	3
INLAND	BALD HILL	36	3H	2	2	2	1	1	1	3	3	3	5	5	5	3	6
INLAND	BALD HILL	36	4A	1	1	1	1	2	2	5	5	5	3	3	3	3	1
INLAND	BALD HILL	36	4B	1	1	1	1	2	1	5	5	5	1	1	1	4	3
INLAND	BALD HILL	36	4C	4	4	4	1	1	1	5	5	5	1	1	1	13	6
INLAND	BALD HILL	36	4D	1	1	1	1	1	1	5	5	5	1	1	1	3	3
INLAND	BALD HILL	36	4E	4	4	4	1	1	1	5	5	5	1	1	1	3	3
INLAND	BALD HILL	36	4F	2	2	2	1	1	1	5	5	5	3	3	3	2	1
INLAND	BALD HILL	36	4G	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	36	4H	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	36	5A	1	1	1	3	1	1	5	5	5	3	3	3	13	1
INLAND	BALD HILL	36	5B	2	2	2	1	1	1	5	5	5	4	4	4	13	3
INLAND	BALD HILL	36	5C	1	1	1	1	1	1	5	5	5	4	4	4	13	3
INLAND	BALD HILL	36	5D	1	1	1	1	1	1	5	5	5	2	2	2	13	3
INLAND	BALD HILL	36	5E	1	1	1	1	1	1	5	5	5	3	3	3	2	1
INLAND	BALD HILL	36	5F	1	1	1	1	1	1	5	5	5	3	3	3	2	1
INLAND	BALD HILL	36	5G	1	1	1	1	1	1	5	5	5	4	4	4	3	3
INLAND	BALD HILL	36	5H	1	1	1	1	1	1	5	5	5	4	4	4	13	3
INLAND	BALD HILL	36	6A	1	1	1	1	3	3	5	5	5	3	3	3	2	1
INLAND	BALD HILL	36	6B	1	1	1	1	1	1	5	5	5	4	4	4	3	3
INLAND	BALD HILL	36	6C	1	1	1	1	1	1	5	5	5	4	4	4	3	3
INLAND	BALD HILL	36	6D	1	1	1	3	1	1	5	5	5	2	2	2	13	6
INLAND	BALD HILL	36	6E	2	2	2	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	36	6F	1	1	1	1	1	1	5	5	5	4	4	4	13	3
INLAND	BALD HILL	36	6G	1	1	1	1	1	1	5	5	5	4	4	4	13	3
INLAND	BALD HILL	36	6H	1	1	1	1	1	1	5	5	5	4	4	4	13	3
INLAND	BALD HILL	36	7A	1	1	1	3	1	1	5	5	5	3	3	3	2	1
INLAND	BALD HILL	36	7B	1	1	1	1	1	1	3	3	3	5	5	5	3	3
INLAND	BALD HILL	36	7C	1	1	1	3	1	1	5	5	5	3	3	3	2	1
INLAND	BALD HILL	36	7D	1	1	1	1	2	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	36	7E	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	36	7F	2	2	2	1	1	1	5	5	5	4	4	4	13	3
INLAND	BALD HILL	36	7G	1	1	1	1	1	1	5	5	5	4	4	4	13	3
INLAND	BALD HILL	36	7H	1	1	1	1	1	1	5	5	5	4	4	4	13	6
INLAND	BALD HILL	36	8A	1	1	1	3	1	2	5	5	5	3	3	3	2	1
INLAND	BALD HILL	36	8B	1	1	1	2	3	2	5	5	5	3	3	3	2	1
INLAND	BALD HILL	36	8C	1	1	1	3	1	1	5	5	5	3	3	3	2	1
INLAND	BALD HILL	36	8D	1	1	1	3	1	1	5	5	5	3	3	3	2	1
INLAND	BALD HILL	36	8E	1	1	1	1	1	1	5	5	5	1	1	1	3	3
INLAND	BALD HILL	36	8F	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	BALD HILL	36	8G	1	1	1	2	1	1	5	5	5	1	1	1	4	3
INLAND	BALD HILL	36	8H	1	1	1	1	1	1	5	5	5	1	1	1	13	3
INLAND	ELK PRAIRIE	19	1A	-	-	1	-	-	1	-	-	5	-	-	2	13	6
INLAND	ELK PRAIRIE	19	1B	-	-	1	-	-	1	-	-	3	-	-	5	13	6
INLAND	ELK PRAIRIE	19	1C	-	-	1	-	-	1	-	-	5	-	-	2	13	3
INLAND	ELK PRAIRIE	19	1D	-	-	4	-	-	1	-	-	1	-	-	5	13	10
INLAND	ELK PRAIRIE	19	1E	-	-	2	-	-	1	-	-	1	-	-	5	13	3
INLAND	ELK PRAIRIE	19	1F	-	-	1	-	-	1	-	-	1	-	-	5	13	3
INLAND	ELK PRAIRIE	19	1G	-	-	2	-	-	1	-	-	1	-	-	5	13	3
INLAND	ELK PRAIRIE	19	1H	-	-	1	-	-	1	-	-	1	-	-	5	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
INLAND	ELK PRAIRIE	19	2A	-	-	1	-	-	1	-	-	5	-	-	1	13	6
INLAND	ELK PRAIRIE	19	2B	-	-	1	-	-	1	-	-	3	-	-	5	13	10
INLAND	ELK PRAIRIE	19	2C	-	-	1	-	-	1	-	-	5	-	-	2	13	10
INLAND	ELK PRAIRIE	19	2D	-	-	1	-	-	1	-	-	1	-	-	5	13	3
INLAND	ELK PRAIRIE	19	2E	-	-	1	-	-	1	-	-	1	-	-	5	13	3
INLAND	ELK PRAIRIE	19	2F	-	-	1	-	-	1	-	-	1	-	-	5	13	6
INLAND	ELK PRAIRIE	19	2G	-	-	1	-	-	1	-	-	1	-	-	5	13	6
INLAND	ELK PRAIRIE	19	2H	-	-	1	-	-	1	-	-	1	-	-	5	13	6
INLAND	ELK PRAIRIE	19	3A	-	-	1	-	-	1	-	-	5	-	-	1	13	10
INLAND	ELK PRAIRIE	19	3B	-	-	1	-	-	1	-	-	3	-	-	5	13	6
INLAND	ELK PRAIRIE	19	3C	-	-	1	-	-	2	-	-	5	-	-	2	13	10
INLAND	ELK PRAIRIE	19	3D	-	-	1	-	-	1	-	-	1	-	-	5	13	3
INLAND	ELK PRAIRIE	19	3E	-	-	2	-	-	1	-	-	1	-	-	5	13	3
INLAND	ELK PRAIRIE	19	3F	-	-	1	-	-	1	-	-	1	-	-	5	13	3
INLAND	ELK PRAIRIE	19	3G	-	-	1	-	-	1	-	-	1	-	-	5	13	3
INLAND	ELK PRAIRIE	19	3H	-	-	1	-	-	1	-	-	1	-	-	5	13	3
INLAND	ELK PRAIRIE	19	4A	-	-	1	-	-	1	-	-	5	-	-	1	13	3
INLAND	ELK PRAIRIE	19	4B	-	-	1	-	-	1	-	-	3	-	-	5	13	6
INLAND	ELK PRAIRIE	19	4C	-	-	1	-	-	2	-	-	5	-	-	1	13	3
INLAND	ELK PRAIRIE	19	4D	-	-	1	-	-	1	-	-	1	-	-	5	13	3
INLAND	ELK PRAIRIE	19	4E	-	-	1	-	-	1	-	-	1	-	-	5	13	3
INLAND	ELK PRAIRIE	19	4F	-	-	1	-	-	1	-	-	1	-	-	5	13	6
INLAND	ELK PRAIRIE	19	4G	-	-	1	-	-	1	-	-	1	-	-	5	13	3
INLAND	ELK PRAIRIE	19	4H	-	-	1	-	-	1	-	-	1	-	-	5	13	3
INLAND	ELK PRAIRIE	19	5A	-	-	1	-	-	1	-	-	5	-	-	2	13	6
INLAND	ELK PRAIRIE	19	5B	-	-	1	-	-	1	-	-	3	-	-	5	13	6
INLAND	ELK PRAIRIE	19	5C	-	-	1	-	-	1	-	-	5	-	-	2	13	3
INLAND	ELK PRAIRIE	19	5D	-	-	1	-	-	1	-	-	1	-	-	5	13	3
INLAND	ELK PRAIRIE	19	5E	-	-	1	-	-	1	-	-	1	-	-	5	13	6
INLAND	ELK PRAIRIE	19	5F	-	-	1	-	-	1	-	-	1	-	-	5	13	10
INLAND	ELK PRAIRIE	19	5G	-	-	1	-	-	1	-	-	1	-	-	5	13	10
INLAND	ELK PRAIRIE	19	5H	-	-	1	-	-	1	-	-	1	-	-	5	13	6
INLAND	ELK PRAIRIE	19	6A	-	-	1	-	-	1	-	-	3	-	-	5	13	6
INLAND	ELK PRAIRIE	19	6B	-	-	1	-	-	1	-	-	3	-	-	5	13	6
INLAND	ELK PRAIRIE	19	6C	-	-	1	-	-	1	-	-	3	-	-	5	13	3
INLAND	ELK PRAIRIE	19	6D	-	-	1	-	-	1	-	-	3	-	-	5	13	3
INLAND	ELK PRAIRIE	19	6E	-	-	1	-	-	1	-	-	1	-	-	5	13	3
INLAND	ELK PRAIRIE	19	6F	-	-	1	-	-	1	-	-	1	-	-	5	13	3
INLAND	ELK PRAIRIE	19	6G	-	-	1	-	-	1	-	-	1	-	-	5	13	6
INLAND	ELK PRAIRIE	19	6H	-	-	1	-	-	1	-	-	1	-	-	5	13	6
INLAND	ELK PRAIRIE	19	7A	-	-	1	-	-	1	-	-	3	-	-	5	13	6
INLAND	ELK PRAIRIE	19	7B	-	-	1	-	-	1	-	-	3	-	-	5	13	10
INLAND	ELK PRAIRIE	19	7C	-	-	1	-	-	1	-	-	3	-	-	5	13	3
INLAND	ELK PRAIRIE	19	7D	-	-	1	-	-	1	-	-	3	-	-	5	13	1
INLAND	ELK PRAIRIE	19	7E	-	-	1	-	-	1	-	-	3	-	-	5	13	3
INLAND	ELK PRAIRIE	19	7F	-	-	1	-	-	1	-	-	3	-	-	5	13	6
INLAND	ELK PRAIRIE	19	7G	-	-	1	-	-	1	-	-	3	-	-	5	13	10
INLAND	ELK PRAIRIE	19	7H	-	-	1	-	-	1	-	-	3	-	-	5	13	6
INLAND	ELK PRAIRIE	19	8A	-	-	1	-	-	1	-	-	2	-	-	5	13	3
INLAND	ELK PRAIRIE	19	8B	-	-	1	-	-	1	-	-	2	-	-	5	13	6
INLAND	ELK PRAIRIE	19	8C	-	-	1	-	-	1	-	-	3	-	-	5	13	3
INLAND	ELK PRAIRIE	19	8D	-	-	1	-	-	1	-	-	3	-	-	5	13	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
INLAND	ELK PRAIRIE	19	8E	-	-	1	-	-	1	-	-	2	-	-	5	13	6
INLAND	ELK PRAIRIE	19	8F	-	-	1	-	-	1	-	-	2	-	-	5	13	10
INLAND	ELK PRAIRIE	19	8G	-	-	1	-	-	1	-	-	5	-	-	1	13	10
INLAND	ELK PRAIRIE	19	8H	-	-	1	-	-	1	-	-	5	-	-	2	13	6
INLAND	ELK PRAIRIE	31	1A	-	1	1	-	1	1	-	5	5	-	3	3	3	1
INLAND	ELK PRAIRIE	31	1B	-	1	1	-	2	1	-	2	2	-	5	5	3	1
INLAND	ELK PRAIRIE	31	1C	-	1	1	-	1	1	-	3	3	-	5	5	2	1
INLAND	ELK PRAIRIE	31	1D	-	1	1	-	1	1	-	3	3	-	5	5	2	1
INLAND	ELK PRAIRIE	31	1E	-	1	1	-	1	1	-	2	2	-	5	5	2	1
INLAND	ELK PRAIRIE	31	1F	-	1	1	-	1	1	-	2	2	-	5	5	2	1
INLAND	ELK PRAIRIE	31	1G	-	1	1	-	1	1	-	5	5	-	3	3	2	1
INLAND	ELK PRAIRIE	31	1H	-	1	1	-	1	1	-	5	5	-	2	2	3	3
INLAND	ELK PRAIRIE	31	2A	-	1	1	-	1	1	-	3	3	-	5	5	3	1
INLAND	ELK PRAIRIE	31	2B	-	1	1	-	1	1	-	3	3	-	5	5	3	1
INLAND	ELK PRAIRIE	31	2C	-	1	1	-	1	1	-	3	3	-	5	5	3	1
INLAND	ELK PRAIRIE	31	2D	-	1	1	-	1	1	-	3	3	-	5	5	2	1
INLAND	ELK PRAIRIE	31	2E	-	1	1	-	2	2	-	3	3	-	5	5	2	1
INLAND	ELK PRAIRIE	31	2F	-	1	1	-	1	2	-	3	3	-	5	5	2	1
INLAND	ELK PRAIRIE	31	2G	-	1	1	-	1	1	-	3	3	-	5	5	13	3
INLAND	ELK PRAIRIE	31	2H	-	1	1	-	1	1	-	3	3	-	5	5	3	3
INLAND	ELK PRAIRIE	31	3A	-	1	1	-	1	1	-	3	3	-	5	5	13	3
INLAND	ELK PRAIRIE	31	3B	-	1	1	-	1	1	-	3	3	-	5	5	1	3
INLAND	ELK PRAIRIE	31	3C	-	1	1	-	1	1	-	3	3	-	5	5	13	3
INLAND	ELK PRAIRIE	31	3D	-	2	2	-	1	1	-	3	3	-	5	5	13	1
INLAND	ELK PRAIRIE	31	3E	-	1	1	-	1	1	-	2	2	-	5	5	13	6
INLAND	ELK PRAIRIE	31	3F	-	1	1	-	1	1	-	2	2	-	5	5	13	3
INLAND	ELK PRAIRIE	31	3G	-	1	1	-	1	1	-	2	2	-	5	5	13	6
INLAND	ELK PRAIRIE	31	3H	-	1	1	-	1	1	-	2	2	-	5	5	13	6
INLAND	ELK PRAIRIE	31	4A	-	1	1	-	1	1	-	5	5	-	1	1	13	3
INLAND	ELK PRAIRIE	31	4B	-	1	1	-	1	1	-	5	5	-	1	1	1	3
INLAND	ELK PRAIRIE	31	4C	-	1	1	-	1	2	-	5	5	-	1	1	1	3
INLAND	ELK PRAIRIE	31	4D	-	1	1	-	2	1	-	5	5	-	1	1	1	3
INLAND	ELK PRAIRIE	31	4E	-	2	2	-	1	1	-	5	5	-	1	1	13	10
INLAND	ELK PRAIRIE	31	4F	-	1	1	-	1	1	-	5	5	-	3	3	13	1
INLAND	ELK PRAIRIE	31	4G	-	1	1	-	1	1	-	5	5	-	3	3	13	1
INLAND	ELK PRAIRIE	31	4H	-	2	2	-	1	1	-	5	5	-	2	2	108	1
INLAND	ELK PRAIRIE	31	5A	-	1	1	-	1	1	-	5	5	-	1	1	13	3
INLAND	ELK PRAIRIE	31	5B	-	2	2	-	1	1	-	5	5	-	1	1	13	3
INLAND	ELK PRAIRIE	31	5C	-	1	1	-	1	1	-	3	3	-	5	5	3	3
INLAND	ELK PRAIRIE	31	5D	-	1	1	-	1	1	-	5	5	-	1	1	13	6
INLAND	ELK PRAIRIE	31	5E	-	2	2	-	1	2	-	5	5	-	3	3	108	1
INLAND	ELK PRAIRIE	31	5F	-	1	1	-	3	3	-	5	5	-	1	1	108	1
INLAND	ELK PRAIRIE	31	5G	-	1	1	-	1	1	-	5	5	-	1	1	13	10
INLAND	ELK PRAIRIE	31	5H	-	1	1	-	1	1	-	5	5	-	2	2	13	6
INLAND	ELK PRAIRIE	31	6A	-	1	1	-	1	1	-	5	5	-	1	1	13	6
INLAND	ELK PRAIRIE	31	6B	-	1	1	-	1	1	-	5	5	-	1	1	72	1
INLAND	ELK PRAIRIE	31	6C	-	2	2	-	1	1	-	3	3	-	5	5	108	1
INLAND	ELK PRAIRIE	31	6D	-	2	2	-	1	1	-	5	5	-	1	1	13	10
INLAND	ELK PRAIRIE	31	6E	-	2	2	-	1	1	-	5	5	-	1	1	13	6
INLAND	ELK PRAIRIE	31	6F	-	1	1	-	1	1	-	5	5	-	1	1	13	6
INLAND	ELK PRAIRIE	31	6G	-	1	1	-	1	1	-	5	5	-	1	1	13	6
INLAND	ELK PRAIRIE	31	6H	-	1	1	-	1	1	-	5	5	-	3	3	13	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
INLAND	ELK PRAIRIE	31	7A	-	1	1	-	1	1	-	5	5	-	4	4	13	6
INLAND	ELK PRAIRIE	31	7B	-	1	1	-	1	1	-	5	5	-	2	2	13	6
INLAND	ELK PRAIRIE	31	7C	-	1	1	-	1	1	-	3	3	-	5	5	13	6
INLAND	ELK PRAIRIE	31	7D	-	1	1	-	1	1	-	5	5	-	1	1	13	3
INLAND	ELK PRAIRIE	31	7E	-	1	1	-	3	2	-	5	5	-	4	4	4	3
INLAND	ELK PRAIRIE	31	7F	-	1	1	-	1	1	-	5	5	-	4	4	4	3
INLAND	ELK PRAIRIE	31	7G	-	1	1	-	1	2	-	5	5	-	4	4	13	6
INLAND	ELK PRAIRIE	31	7H	-	1	1	-	1	1	-	5	5	-	1	1	13	3
INLAND	ELK PRAIRIE	31	8A	-	1	1	-	1	1	-	5	5	-	1	1	13	6
INLAND	ELK PRAIRIE	31	8B	-	2	2	-	1	1	-	5	5	-	1	1	13	10
INLAND	ELK PRAIRIE	31	8C	-	1	1	-	1	1	-	3	3	-	5	5	13	10
INLAND	ELK PRAIRIE	31	8D	-	1	1	-	1	1	-	5	5	-	1	1	4	3
INLAND	ELK PRAIRIE	31	8E	-	1	1	-	1	1	-	5	5	-	3	3	3	1
INLAND	ELK PRAIRIE	31	8F	-	1	1	-	1	1	-	5	5	-	3	3	3	1
INLAND	ELK PRAIRIE	31	8G	-	1	1	-	1	1	-	5	5	-	1	1	4	3
INLAND	ELK PRAIRIE	31	8H	-	1	1	-	1	1	-	5	5	-	1	1	4	3
INLAND	ELK PRAIRIE	32	1A	-	4	4	-	1	1	-	5	5	-	2	2	4	3
INLAND	ELK PRAIRIE	32	1B	-	4	4	-	1	1	-	5	5	-	2	2	4	3
INLAND	ELK PRAIRIE	32	1C	-	1	1	-	1	1	-	5	5	-	2	2	4	3
INLAND	ELK PRAIRIE	32	1D	-	1	1	-	1	1	-	3	3	-	5	5	4	3
INLAND	ELK PRAIRIE	32	1E	-	1	1	-	3	1	-	5	5	-	3	3	13	1
INLAND	ELK PRAIRIE	32	1F	-	3	1	-	1	3	-	5	5	-	3	3	109	1
INLAND	ELK PRAIRIE	32	1G	-	3	1	-	1	3	-	5	5	-	3	3	108	1
INLAND	ELK PRAIRIE	32	1H	-	3	3	-	1	1	-	5	5	-	3	3	0	1
INLAND	ELK PRAIRIE	32	2A	-	1	1	-	3	1	-	3	3	-	5	5	13	3
INLAND	ELK PRAIRIE	32	2B	-	1	1	-	1	1	-	3	3	-	5	5	13	3
INLAND	ELK PRAIRIE	32	2C	-	1	1	-	1	1	-	2	2	-	5	5	13	3
INLAND	ELK PRAIRIE	32	2D	-	1	1	-	1	1	-	2	2	-	5	5	13	3
INLAND	ELK PRAIRIE	32	2E	-	1	1	-	1	1	-	2	2	-	5	5	109	1
INLAND	ELK PRAIRIE	32	2F	-	2	4	-	1	1	-	3	3	-	5	5	108	1
INLAND	ELK PRAIRIE	32	2G	-	3	4	-	1	1	-	2	2	-	5	5	108	1
INLAND	ELK PRAIRIE	32	2H	-	2	4	-	1	1	-	3	3	-	5	5	108	1
INLAND	ELK PRAIRIE	32	3A	-	1	1	-	1	1	-	3	3	-	5	5	13	6
INLAND	ELK PRAIRIE	32	3B	-	1	1	-	2	2	-	3	3	-	5	5	13	3
INLAND	ELK PRAIRIE	32	3C	-	1	1	-	3	2	-	3	3	-	5	5	108	1
INLAND	ELK PRAIRIE	32	3D	-	1	1	-	1	2	-	3	3	-	5	5	108	1
INLAND	ELK PRAIRIE	32	3E	-	2	2	-	1	1	-	3	3	-	5	5	108	1
INLAND	ELK PRAIRIE	32	3F	-	2	2	-	1	1	-	3	3	-	5	5	109	1
INLAND	ELK PRAIRIE	32	3G	-	2	4	-	1	1	-	3	3	-	5	5	109	3
INLAND	ELK PRAIRIE	32	3H	-	2	4	-	1	1	-	3	3	-	5	5	109	3
INLAND	ELK PRAIRIE	32	4A	-	1	1	-	3	2	-	5	5	-	3	3	108	1
INLAND	ELK PRAIRIE	32	4B	-	1	1	-	1	1	-	5	5	-	2	2	13	6
INLAND	ELK PRAIRIE	32	4C	-	1	1	-	1	1	-	5	5	-	1	1	13	3
INLAND	ELK PRAIRIE	32	4D	-	1	1	-	3	1	-	5	5	-	2	2	13	3
INLAND	ELK PRAIRIE	32	4E	-	1	1	-	1	1	-	5	5	-	1	1	13	6
INLAND	ELK PRAIRIE	32	4F	-	1	1	-	1	1	-	5	5	-	1	1	109	3
INLAND	ELK PRAIRIE	32	4G	-	1	1	-	1	1	-	5	5	-	2	2	109	3
INLAND	ELK PRAIRIE	32	4H	-	1	1	-	1	1	-	5	5	-	2	2	4	3
INLAND	ELK PRAIRIE	32	5A	-	1	1	-	2	2	-	5	5	-	3	3	13	1
INLAND	ELK PRAIRIE	32	5B	-	1	1	-	1	1	-	5	5	-	4	4	4	3
INLAND	ELK PRAIRIE	32	5C	-	1	1	-	1	1	-	5	5	-	4	4	13	3
INLAND	ELK PRAIRIE	32	5D	-	1	1	-	1	1	-	5	5	-	4	4	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
INLAND	ELK PRAIRIE	32	5E	-	1	1	-	1	1	-	5	5	-	1	1	13	3
INLAND	ELK PRAIRIE	32	5F	-	1	1	-	1	1	-	3	3	-	5	5	4	6
INLAND	ELK PRAIRIE	32	5G	-	1	1	-	1	1	-	5	5	-	4	4	4	3
INLAND	ELK PRAIRIE	32	5H	-	1	1	-	1	1	-	5	5	-	4	4	109	3
INLAND	ELK PRAIRIE	32	6A	-	1	1	-	1	1	-	5	5	-	1	1	13	6
INLAND	ELK PRAIRIE	32	6B	-	1	1	-	1	1	-	5	5	-	4	4	4	6
INLAND	ELK PRAIRIE	32	6C	-	1	1	-	1	1	-	5	5	-	4	4	4	6
INLAND	ELK PRAIRIE	32	6D	-	1	1	-	1	1	-	5	5	-	4	4	13	6
INLAND	ELK PRAIRIE	32	6E	-	1	1	-	2	2	-	3	3	-	5	5	13	3
INLAND	ELK PRAIRIE	32	6F	-	1	1	-	1	1	-	5	5	-	1	1	4	3
INLAND	ELK PRAIRIE	32	6G	-	1	1	-	1	1	-	5	5	-	4	4	4	3
INLAND	ELK PRAIRIE	32	6H	-	1	1	-	1	1	-	5	5	-	3	3	3	1
INLAND	ELK PRAIRIE	32	7A	-	1	1	-	1	1	-	5	5	-	1	1	13	10
INLAND	ELK PRAIRIE	32	7B	-	1	1	-	2	1	-	5	5	-	4	4	4	3
INLAND	ELK PRAIRIE	32	7C	-	1	1	-	1	1	-	5	5	-	4	4	4	3
INLAND	ELK PRAIRIE	32	7D	-	1	1	-	1	1	-	5	5	-	4	4	4	3
INLAND	ELK PRAIRIE	32	7E	-	1	1	-	1	1	-	5	5	-	3	3	3	1
INLAND	ELK PRAIRIE	32	7F	-	1	1	-	1	1	-	3	3	-	5	5	3	1
INLAND	ELK PRAIRIE	32	7G	-	1	1	-	1	1	-	5	5	-	3	3	3	1
INLAND	ELK PRAIRIE	32	7H	-	1	1	-	1	1	-	5	5	-	4	4	4	6
INLAND	ELK PRAIRIE	32	8A	-	1	1	-	1	1	-	5	5	-	3	3	13	1
INLAND	ELK PRAIRIE	32	8B	-	1	1	-	1	1	-	5	5	-	3	3	3	1
INLAND	ELK PRAIRIE	32	8C	-	1	1	-	1	1	-	5	5	-	3	3	3	1
INLAND	ELK PRAIRIE	32	8D	-	1	1	-	1	1	-	5	5	-	3	3	3	1
INLAND	ELK PRAIRIE	32	8E	-	4	4	-	1	1	-	5	5	-	3	3	3	1
INLAND	ELK PRAIRIE	32	8F	-	1	1	-	1	1	-	3	3	-	5	5	3	1
INLAND	ELK PRAIRIE	32	8G	-	1	1	-	1	1	-	5	5	-	3	3	3	1
INLAND	ELK PRAIRIE	32	8H	-	1	1	-	1	1	-	5	5	-	1	1	4	3
OLD BEN 21	BARREN	5	1A	-	1	1	-	1	1	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	1B	-	1	1	-	1	1	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	1C	-	1	1	-	1	1	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	1D	-	1	1	-	1	1	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	1E	-	3	3	-	1	1	-	5	5	-	3	3	0	1
OLD BEN 21	BARREN	5	1F	-	4	4	-	1	1	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	1G	-	4	4	-	1	1	-	2	2	-	5	5	2	1
OLD BEN 21	BARREN	5	1H	-	1	1	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	5	2A	-	1	1	-	1	2	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	2B	-	1	1	-	1	1	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	2C	-	1	1	-	1	1	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	2D	-	1	1	-	1	1	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	2E	-	4	4	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	5	2F	-	4	4	-	1	1	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	2G	-	4	4	-	1	1	-	2	2	-	5	5	2	1
OLD BEN 21	BARREN	5	2H	-	1	1	-	1	1	-	5	5	-	2	2	13	3
OLD BEN 21	BARREN	5	3A	-	1	1	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	5	3B	-	1	1	-	1	1	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	3C	-	1	1	-	2	2	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	3D	-	1	1	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	5	3E	-	4	4	-	1	1	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	3F	-	4	4	-	1	1	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	3G	-	4	4	-	1	1	-	2	2	-	5	5	13	1
OLD BEN 21	BARREN	5	3H	-	3	3	-	1	1	-	5	5	-	3	3	0	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 21	BARREN	5	4A	-	1	1	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 21	BARREN	5	4B	-	2	2	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 21	BARREN	5	4C	-	1	1	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 21	BARREN	5	4D	-	2	2	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	5	4E	-	4	4	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	5	4F	-	4	4	-	1	1	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	4G	-	4	4	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	5	4H	-	1	1	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	5	5A	-	1	1	-	1	2	-	5	5	-	4	4	3	3
OLD BEN 21	BARREN	5	5B	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 21	BARREN	5	5C	-	1	1	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 21	BARREN	5	5D	-	2	2	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	5	5E	-	4	4	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	5	5F	-	4	4	-	1	1	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	5G	-	4	4	-	1	1	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	5H	-	1	1	-	1	1	-	5	5	-	1	1	3	3
OLD BEN 21	BARREN	5	6A	-	1	1	-	1	1	-	5	5	-	4	4	3	3
OLD BEN 21	BARREN	5	6B	-	1	1	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 21	BARREN	5	6C	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 21	BARREN	5	6D	-	2	2	-	1	1	-	5	5	-	3	3	72	1
OLD BEN 21	BARREN	5	6E	-	4	4	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	5	6F	-	4	4	-	1	1	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	6G	-	4	4	-	1	1	-	2	2	-	5	5	13	1
OLD BEN 21	BARREN	5	6H	-	1	1	-	1	1	-	2	2	-	5	5	3	3
OLD BEN 21	BARREN	5	7A	-	4	3	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 21	BARREN	5	7B	-	4	3	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 21	BARREN	5	7C	-	4	3	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 21	BARREN	5	7D	-	2	2	-	1	1	-	5	5	-	3	3	72	1
OLD BEN 21	BARREN	5	7E	-	4	4	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	5	7F	-	4	4	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	5	7G	-	4	4	-	1	1	-	2	2	-	5	5	13	1
OLD BEN 21	BARREN	5	7H	-	4	4	-	1	1	-	2	2	-	5	5	3	3
OLD BEN 21	BARREN	5	8A	-	4	4	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	5	8B	-	4	4	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	5	8C	-	4	4	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	5	8D	-	2	3	-	1	1	-	5	5	-	3	3	72	1
OLD BEN 21	BARREN	5	8E	-	4	4	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	5	8F	-	4	4	-	1	1	-	2	2	-	5	5	13	1
OLD BEN 21	BARREN	5	8G	-	4	4	-	1	1	-	5	5	-	3	3	2	1
OLD BEN 21	BARREN	5	8H	-	4	4	-	1	1	-	2	2	-	5	5	533	3
OLD BEN 21	BARREN	6	1A	1	1	1	1	1	1	5	5	5	1	1	1	13	3
OLD BEN 21	BARREN	6	1B	1	1	1	1	1	1	5	5	5	1	1	1	13	3
OLD BEN 21	BARREN	6	1C	1	1	1	1	1	1	5	5	5	1	1	1	13	3
OLD BEN 21	BARREN	6	1D	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 21	BARREN	6	1E	1	1	1	1	1	1	5	5	5	1	1	1	3	3
OLD BEN 21	BARREN	6	1F	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	1G	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	1H	1	1	1	1	1	1	5	5	5	1	1	1	13	6
OLD BEN 21	BARREN	6	2A	2	2	2	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 21	BARREN	6	2B	1	1	1	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 21	BARREN	6	2C	1	1	1	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 21	BARREN	6	2D	1	1	1	1	1	1	5	5	5	4	4	4	3	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 21	BARREN	6	2E	1	1	1	1	1	2	5	5	5	4	4	4	3	3
OLD BEN 21	BARREN	6	2F	1	1	1	1	1	3	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	2G	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	2H	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	3A	1	1	1	1	1	1	5	5	5	4	4	4	13	6
OLD BEN 21	BARREN	6	3B	1	1	1	1	1	1	5	5	5	4	4	4	13	6
OLD BEN 21	BARREN	6	3C	1	1	1	1	1	2	5	5	5	4	4	4	3	3
OLD BEN 21	BARREN	6	3D	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	3E	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	3F	1	1	1	2	2	2	5	5	5	4	4	4	13	3
OLD BEN 21	BARREN	6	3G	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	3H	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	4A	1	1	1	1	1	1	5	5	5	4	4	4	3	3
OLD BEN 21	BARREN	6	4B	1	1	1	1	1	1	5	5	5	4	4	4	3	3
OLD BEN 21	BARREN	6	4C	1	1	1	1	1	1	5	5	5	4	4	4	3	3
OLD BEN 21	BARREN	6	4D	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	4E	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	4F	1	1	1	1	1	1	5	5	5	4	4	4	3	3
OLD BEN 21	BARREN	6	4G	2	2	2	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 21	BARREN	6	4H	1	1	1	1	1	1	5	5	5	4	4	4	13	6
OLD BEN 21	BARREN	6	5A	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	5B	1	1	1	1	2	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	5C	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	5D	1	1	1	3	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	5E	1	1	1	1	1	2	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	5F	1	1	1	1	1	2	5	5	5	4	4	4	3	3
OLD BEN 21	BARREN	6	5G	1	1	1	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 21	BARREN	6	5H	1	1	1	1	1	1	5	5	5	4	4	4	3	3
OLD BEN 21	BARREN	6	6A	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	6B	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	6C	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	6D	1	1	1	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 21	BARREN	6	6E	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	6F	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	6G	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	6H	1	1	1	1	1	1	5	5	5	4	4	4	3	3
OLD BEN 21	BARREN	6	7A	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	7B	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	7C	1	1	1	1	1	1	5	5	5	4	4	4	3	3
OLD BEN 21	BARREN	6	7D	1	1	1	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 21	BARREN	6	7E	1	1	1	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 21	BARREN	6	7F	1	1	1	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 21	BARREN	6	7G	1	1	1	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 21	BARREN	6	7H	1	1	1	1	2	2	5	5	5	4	4	4	13	3
OLD BEN 21	BARREN	6	8A	1	1	1	1	2	1	5	5	5	3	3	3	2	1
OLD BEN 21	BARREN	6	8B	1	1	1	1	1	1	5	5	5	1	1	1	3	3
OLD BEN 21	BARREN	6	8C	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 21	BARREN	6	8D	1	1	1	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 21	BARREN	6	8E	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 21	BARREN	6	8F	1	1	1	1	1	1	5	5	5	2	2	2	13	6
OLD BEN 21	BARREN	6	8G	1	1	1	1	1	1	5	5	5	2	2	2	12	3
OLD BEN 21	BARREN	6	8H	1	1	1	1	1	1	5	5	5	1	1	1	12	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 21	BARREN	?	1A	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 21	BARREN	?	1B	-	1	1	-	1	1	-	2	2	-	5	5	3	3
OLD BEN 21	BARREN	?	1C	-	1	1	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	?	1D	-	1	1	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	?	1E	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 21	BARREN	?	1F	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 21	BARREN	?	1G	-	4	4	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	?	1H	-	1	1	-	1	1	-	5	5	-	1	1	12	3
OLD BEN 21	BARREN	?	2A	-	1	1	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 21	BARREN	?	2B	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 21	BARREN	?	2C	-	1	1	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 21	BARREN	?	2D	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 21	BARREN	?	2E	-	1	1	-	1	1	-	5	5	-	4	4	14	6
OLD BEN 21	BARREN	?	2F	-	1	1	-	1	1	-	5	5	-	4	4	14	6
OLD BEN 21	BARREN	?	2G	-	2	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 21	BARREN	?	2H	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 21	BARREN	?	3A	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 21	BARREN	?	3B	-	1	1	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 21	BARREN	?	3C	-	1	1	-	3	3	-	5	5	-	2	2	13	6
OLD BEN 21	BARREN	?	3D	-	1	1	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 21	BARREN	?	3E	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 21	BARREN	?	3F	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 21	BARREN	?	3G	-	1	1	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 21	BARREN	?	3H	-	2	2	-	1	1	-	5	5	-	4	4	382	1
OLD BEN 21	BARREN	?	4A	-	1	1	-	1	1	-	3	3	-	5	5	13	10
OLD BEN 21	BARREN	?	4B	-	1	1	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 21	BARREN	?	4C	-	1	1	-	1	1	-	5	5	-	2	2	13	3
OLD BEN 21	BARREN	?	4D	-	1	1	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	?	4E	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 21	BARREN	?	4F	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 21	BARREN	?	4G	-	2	2	-	1	1	-	5	5	-	3	3	72	1
OLD BEN 21	BARREN	?	4H	-	2	2	-	1	1	-	5	5	-	4	4	382	1
OLD BEN 21	BARREN	?	5A	-	1	1	-	1	1	-	3	3	-	5	5	13	1
OLD BEN 21	BARREN	?	5B	-	1	1	-	1	1	-	3	3	-	5	5	13	1
OLD BEN 21	BARREN	?	5C	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 21	BARREN	?	5D	-	2	2	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 21	BARREN	?	5E	-	2	2	-	1	1	-	5	5	-	4	4	14	6
OLD BEN 21	BARREN	?	5F	-	2	2	-	1	1	-	5	5	-	4	4	72	1
OLD BEN 21	BARREN	?	5G	-	2	2	-	1	1	-	5	5	-	4	4	13	10
OLD BEN 21	BARREN	?	5H	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 21	BARREN	?	6A	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 21	BARREN	?	6B	-	1	1	-	1	1	-	2	2	-	5	5	14	10
OLD BEN 21	BARREN	?	6C	-	1	1	-	1	2	-	2	2	-	5	5	14	6
OLD BEN 21	BARREN	?	6D	-	2	2	-	1	1	-	5	5	-	2	2	14	6
OLD BEN 21	BARREN	?	6E	-	2	2	-	1	1	-	5	5	-	1	1	14	10
OLD BEN 21	BARREN	?	6F	-	2	2	-	1	1	-	5	5	-	2	2	14	10
OLD BEN 21	BARREN	?	6G	-	1	1	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	?	6H	-	2	2	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 21	BARREN	?	7A	-	1	1	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 21	BARREN	?	7B	-	2	2	-	1	1	-	2	2	-	5	5	14	1
OLD BEN 21	BARREN	?	7C	-	1	1	-	1	1	-	5	5	-	1	1	14	6
OLD BEN 21	BARREN	?	7D	-	2	2	-	1	1	-	5	5	-	3	3	14	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 21	BARREN	7	7E	-	2	2	-	1	1	-	5	5	-	2	2	14	10
OLD BEN 21	BARREN	7	7F	-	2	2	-	1	1	-	5	5	-	2	2	14	6
OLD BEN 21	BARREN	7	7G	-	1	1	-	1	2	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	7	7H	-	1	1	-	1	2	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	7	8A	-	1	1	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 21	BARREN	7	8B	-	2	2	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	7	8C	-	1	1	-	1	1	-	5	5	-	1	1	14	6
OLD BEN 21	BARREN	7	8D	-	2	2	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 21	BARREN	7	8E	-	2	2	-	1	1	-	5	5	-	1	1	14	6
OLD BEN 21	BARREN	7	8F	-	2	2	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 21	BARREN	7	8G	-	1	1	-	1	1	-	5	5	-	4	4	13	10
OLD BEN 21	BARREN	7	8H	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 21	BARREN	8	1A	-	4	4	-	1	1	-	5	5	-	1	1	12	3
OLD BEN 21	BARREN	8	1B	-	1	1	-	1	2	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	8	1C	-	2	2	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	8	1D	-	2	2	-	1	1	-	5	5	-	3	3	72	1
OLD BEN 21	BARREN	8	1E	-	4	4	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 21	BARREN	8	1F	-	2	2	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 21	BARREN	8	1G	-	3	3	-	1	1	-	3	3	-	5	5	0	1
OLD BEN 21	BARREN	8	1H	-	4	4	-	1	1	-	2	2	-	5	5	3	3
OLD BEN 21	BARREN	8	2A	-	1	1	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 21	BARREN	8	2B	-	1	1	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 21	BARREN	8	2C	-	2	2	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	8	2D	-	2	2	-	1	1	-	5	5	-	3	3	72	1
OLD BEN 21	BARREN	8	2E	-	2	2	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 21	BARREN	8	2F	-	2	2	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 21	BARREN	8	2G	-	3	3	-	1	1	-	3	3	-	5	5	0	1
OLD BEN 21	BARREN	8	2H	-	4	4	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 21	BARREN	8	3A	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 21	BARREN	8	3B	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 21	BARREN	8	3C	-	1	1	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 21	BARREN	8	3D	-	1	1	-	1	2	-	5	5	-	4	4	13	3
OLD BEN 21	BARREN	8	3E	-	3	3	-	1	1	-	5	5	-	3	3	0	1
OLD BEN 21	BARREN	8	3F	-	2	2	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	8	3G	-	4	4	-	1	1	-	3	3	-	5	5	13	1
OLD BEN 21	BARREN	8	3H	-	2	2	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 21	BARREN	8	4A	-	2	2	-	4	2	-	5	5	-	4	4	382	1
OLD BEN 21	BARREN	8	4B	-	3	3	-	1	1	-	5	5	-	3	3	0	1
OLD BEN 21	BARREN	8	4C	-	3	3	-	1	1	-	5	5	-	3	3	0	1
OLD BEN 21	BARREN	8	4D	-	3	3	-	1	1	-	5	5	-	3	3	0	1
OLD BEN 21	BARREN	8	4E	-	3	3	-	1	1	-	5	5	-	3	3	0	1
OLD BEN 21	BARREN	8	4F	-	2	2	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	8	4G	-	2	2	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 21	BARREN	8	4H	-	2	2	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 21	BARREN	8	5A	-	1	1	-	1	1	-	5	5	-	4	4	14	6
OLD BEN 21	BARREN	8	5B	-	1	1	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 21	BARREN	8	5C	-	1	1	-	1	1	-	5	5	-	4	4	14	6
OLD BEN 21	BARREN	8	5D	-	3	3	-	1	1	-	5	5	-	3	3	0	1
OLD BEN 21	BARREN	8	5E	-	3	3	-	1	1	-	5	5	-	3	3	0	1
OLD BEN 21	BARREN	8	5F	-	3	3	-	1	1	-	5	5	-	3	3	0	1
OLD BEN 21	BARREN	8	5G	-	2	2	-	1	1	-	3	3	-	5	5	13	1
OLD BEN 21	BARREN	8	5H	-	1	1	-	1	1	-	5	5	-	3	3	13	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 21	BARREN	8	6A	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 21	BARREN	8	6B	-	1	1	-	1	3	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	8	6C	-	3	3	-	1	1	-	5	5	-	3	3	0	1
OLD BEN 21	BARREN	8	6D	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 21	BARREN	8	6E	-	3	3	-	1	1	-	5	5	-	3	3	0	1
OLD BEN 21	BARREN	8	6F	-	1	1	-	1	1	-	5	5	-	3	3	14	1
OLD BEN 21	BARREN	8	6G	-	4	4	-	1	1	-	3	3	-	5	5	108	1
OLD BEN 21	BARREN	8	6H	-	3	3	-	1	1	-	5	5	-	3	3	0	1
OLD BEN 21	BARREN	8	7A	-	1	1	-	1	1	-	2	2	-	5	5	14	3
OLD BEN 21	BARREN	8	7B	-	2	2	-	1	1	-	5	5	-	3	3	14	1
OLD BEN 21	BARREN	8	7C	-	1	1	-	1	1	-	5	5	-	2	2	14	6
OLD BEN 21	BARREN	8	7D	-	2	2	-	1	2	-	5	5	-	2	2	14	6
OLD BEN 21	BARREN	8	7E	-	1	1	-	1	1	-	5	5	-	2	2	13	6
OLD BEN 21	BARREN	8	7F	-	1	1	-	1	1	-	5	5	-	2	2	13	6
OLD BEN 21	BARREN	8	7G	-	1	1	-	1	1	-	3	3	-	5	5	13	1
OLD BEN 21	BARREN	8	7H	-	1	1	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	8	8A	-	2	2	-	1	1	-	2	2	-	5	5	14	6
OLD BEN 21	BARREN	8	8B	-	4	4	-	1	1	-	5	5	-	2	2	14	6
OLD BEN 21	BARREN	8	8C	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 21	BARREN	8	8D	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 21	BARREN	8	8E	-	2	2	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 21	BARREN	8	8F	-	4	4	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	8	8G	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 21	BARREN	8	8H	-	2	2	-	1	1	-	5	5	-	1	1	108	1
OLD BEN 21	BARREN	17	1A	-	2	2	-	1	1	-	2	2	-	5	5	14	6
OLD BEN 21	BARREN	17	1B	-	4	4	-	1	1	-	5	5	-	1	1	14	3
OLD BEN 21	BARREN	17	1C	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 21	BARREN	17	1D	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 21	BARREN	17	1E	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 21	BARREN	17	1F	-	1	1	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 21	BARREN	17	1G	-	2	2	-	1	1	-	3	3	-	5	5	14	6
OLD BEN 21	BARREN	17	1H	-	2	2	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	17	2A	-	1	1	-	1	1	-	3	3	-	5	5	13	1
OLD BEN 21	BARREN	17	2B	-	1	1	-	1	1	-	3	3	-	5	5	13	1
OLD BEN 21	BARREN	17	2C	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 21	BARREN	17	2D	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 21	BARREN	17	2E	-	1	1	-	1	1	-	3	3	-	5	5	382	1
OLD BEN 21	BARREN	17	2F	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 21	BARREN	17	2G	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 21	BARREN	17	2H	-	1	1	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 21	BARREN	17	3A	-	1	1	-	1	1	-	3	3	-	5	5	13	1
OLD BEN 21	BARREN	17	3B	-	1	1	-	1	1	-	3	3	-	5	5	12	1
OLD BEN 21	BARREN	17	3C	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 21	BARREN	17	3D	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 21	BARREN	17	3E	-	4	4	-	1	1	-	3	3	-	5	5	13	10
OLD BEN 21	BARREN	17	3F	-	1	1	-	1	1	-	3	3	-	5	5	12	6
OLD BEN 21	BARREN	17	3G	-	2	2	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 21	BARREN	17	3H	-	1	1	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	17	4A	-	1	1	-	3	3	-	5	5	-	3	3	12	1
OLD BEN 21	BARREN	17	4B	-	1	1	-	3	2	-	5	5	-	3	3	12	1
OLD BEN 21	BARREN	17	4C	-	1	1	-	1	1	-	5	5	-	2	2	13	3
OLD BEN 21	BARREN	17	4D	-	1	1	-	1	1	-	5	5	-	2	2	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 21	BARREN	17	4E	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 21	BARREN	17	4F	-	1	1	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 21	BARREN	17	4G	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 21	BARREN	17	4H	-	1	1	-	3	1	-	3	3	-	5	5	13	1
OLD BEN 21	BARREN	17	5A	-	1	1	-	1	1	-	5	5	-	2	2	13	3
OLD BEN 21	BARREN	17	5B	-	1	1	-	1	2	-	5	5	-	4	4	12	3
OLD BEN 21	BARREN	17	5C	-	1	1	-	1	1	-	5	5	-	4	4	12	3
OLD BEN 21	BARREN	17	5D	-	1	1	-	4	1	-	5	5	-	4	4	13	3
OLD BEN 21	BARREN	17	5E	-	1	1	-	3	1	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	17	5F	-	1	4	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 21	BARREN	17	5G	-	1	4	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 21	BARREN	17	5H	-	1	1	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 21	BARREN	17	6A	-	1	1	-	1	1	-	3	3	-	5	5	14	6
OLD BEN 21	BARREN	17	6B	-	1	1	-	1	1	-	3	3	-	5	5	13	1
OLD BEN 21	BARREN	17	6C	-	1	1	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	17	6D	-	1	1	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 21	BARREN	17	6E	-	1	4	-	3	1	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	17	6F	-	1	4	-	1	1	-	2	2	-	5	5	12	3
OLD BEN 21	BARREN	17	6G	-	1	4	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 21	BARREN	17	6H	-	1	4	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 21	BARREN	17	7A	-	1	1	-	1	1	-	3	3	-	5	5	14	1
OLD BEN 21	BARREN	17	7B	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 21	BARREN	17	7C	-	2	2	-	1	1	-	2	2	-	5	5	14	3
OLD BEN 21	BARREN	17	7D	-	1	1	-	1	1	-	5	5	-	1	1	14	6
OLD BEN 21	BARREN	17	7E	-	3	4	-	1	1	-	5	5	-	3	3	13	3
OLD BEN 21	BARREN	17	7F	-	3	4	-	1	1	-	5	5	-	3	3	13	6
OLD BEN 21	BARREN	17	7G	-	3	4	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 21	BARREN	17	7H	-	1	1	-	1	1	-	5	5	-	2	2	13	6
OLD BEN 21	BARREN	17	8A	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 21	BARREN	17	8B	-	2	2	-	1	1	-	3	3	-	5	5	14	10
OLD BEN 21	BARREN	17	8C	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 21	BARREN	17	8D	-	4	4	-	1	1	-	3	3	-	5	5	14	6
OLD BEN 21	BARREN	17	8E	-	3	3	-	1	1	-	5	5	-	3	3	0	1
OLD BEN 21	BARREN	17	8F	-	3	3	-	1	1	-	5	5	-	3	3	0	1
OLD BEN 21	BARREN	17	8G	-	3	4	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 21	BARREN	17	8H	-	1	1	-	1	1	-	5	5	-	2	2	13	3
OLD BEN 21	BARREN	18	1A	-	1	1	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 21	BARREN	18	1B	-	2	2	-	1	1	-	2	2	-	5	5	14	6
OLD BEN 21	BARREN	18	1C	-	2	2	-	1	1	-	5	5	-	1	1	14	6
OLD BEN 21	BARREN	18	1D	-	2	2	-	1	1	-	5	5	-	3	3	12	1
OLD BEN 21	BARREN	18	1E	-	2	2	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	18	1F	-	1	1	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 21	BARREN	18	1G	-	1	1	-	1	1	-	5	5	-	1	1	13	10
OLD BEN 21	BARREN	18	1H	-	1	1	-	1	1	-	5	5	-	2	2	13	6
OLD BEN 21	BARREN	18	2A	-	2	2	-	1	1	-	2	2	-	5	5	3	3
OLD BEN 21	BARREN	18	2B	-	2	2	-	1	1	-	3	3	-	5	5	3	6
OLD BEN 21	BARREN	18	2C	-	2	2	-	1	1	-	3	3	-	5	5	3	6
OLD BEN 21	BARREN	18	2D	-	2	2	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 21	BARREN	18	2E	-	2	2	-	1	1	-	3	3	-	5	5	12	3
OLD BEN 21	BARREN	18	2F	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 21	BARREN	18	2G	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 21	BARREN	18	2H	-	1	1	-	1	1	-	3	3	-	5	5	13	10

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 21	BARREN	18	3A	-	1	1	-	1	1	-	3	3	-	5	5	2	1
OLD BEN 21	BARREN	18	3B	-	1	1	-	1	1	-	3	3	-	5	5	3	3
OLD BEN 21	BARREN	18	3C	-	2	2	-	1	1	-	3	3	-	5	5	3	6
OLD BEN 21	BARREN	18	3D	-	2	2	-	1	1	-	3	3	-	5	5	12	1
OLD BEN 21	BARREN	18	3E	-	2	2	-	1	1	-	3	3	-	5	5	13	1
OLD BEN 21	BARREN	18	3F	-	1	1	-	1	1	-	3	3	-	5	5	13	1
OLD BEN 21	BARREN	18	3G	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 21	BARREN	18	3H	-	2	2	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 21	BARREN	18	4A	-	3	3	-	1	1	-	3	3	-	5	5	0	1
OLD BEN 21	BARREN	18	4B	-	1	1	-	1	1	-	3	3	-	5	5	3	3
OLD BEN 21	BARREN	18	4C	-	1	1	-	1	1	-	1	1	-	5	5	3	3
OLD BEN 21	BARREN	18	4D	-	1	1	-	1	1	-	1	1	-	5	5	3	3
OLD BEN 21	BARREN	18	4E	-	1	1	-	1	1	-	1	1	-	5	5	12	1
OLD BEN 21	BARREN	18	4F	-	1	1	-	1	1	-	1	1	-	5	5	12	1
OLD BEN 21	BARREN	18	4G	-	1	1	-	1	1	-	1	1	-	5	5	13	1
OLD BEN 21	BARREN	18	4H	-	2	2	-	2	4	-	5	5	-	1	1	12	3
OLD BEN 21	BARREN	18	5A	-	1	1	-	3	1	-	3	3	-	5	5	3	3
OLD BEN 21	BARREN	18	5B	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	BARREN	18	5C	-	1	1	-	1	1	-	6	6	-	5	5	3	3
OLD BEN 21	BARREN	18	5D	-	1	1	-	1	1	-	6	6	-	5	5	13	3
OLD BEN 21	BARREN	18	5E	-	1	1	-	1	1	-	6	6	-	5	5	13	1
OLD BEN 21	BARREN	18	5F	-	1	1	-	1	1	-	6	6	-	5	5	12	1
OLD BEN 21	BARREN	18	5G	-	1	1	-	2	1	-	1	1	-	5	5	12	1
OLD BEN 21	BARREN	18	5H	-	4	4	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	BARREN	18	6A	-	1	1	-	1	1	-	6	6	-	5	5	13	3
OLD BEN 21	BARREN	18	6B	-	1	1	-	1	1	-	6	6	-	5	5	13	3
OLD BEN 21	BARREN	18	6C	-	1	1	-	1	1	-	6	6	-	5	5	13	1
OLD BEN 21	BARREN	18	6D	-	1	1	-	1	1	-	6	6	-	5	5	13	3
OLD BEN 21	BARREN	18	6E	-	1	1	-	1	1	-	6	6	-	5	5	13	6
OLD BEN 21	BARREN	18	6F	-	1	1	-	1	1	-	6	6	-	5	5	13	3
OLD BEN 21	BARREN	18	6G	-	1	1	-	1	1	-	6	6	-	5	5	12	3
OLD BEN 21	BARREN	18	6H	-	2	2	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	BARREN	18	7A	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	BARREN	18	7B	-	1	1	-	1	1	-	6	6	-	5	5	13	1
OLD BEN 21	BARREN	18	7C	-	1	1	-	1	1	-	6	6	-	5	5	72	1
OLD BEN 21	BARREN	18	7D	-	1	1	-	1	1	-	6	6	-	5	5	72	1
OLD BEN 21	BARREN	18	7E	-	2	1	-	1	1	-	6	6	-	5	5	14	6
OLD BEN 21	BARREN	18	7F	-	1	1	-	1	1	-	6	6	-	5	5	14	6
OLD BEN 21	BARREN	18	7G	-	1	1	-	1	1	-	6	6	-	5	5	13	3
OLD BEN 21	BARREN	18	7H	-	1	1	-	1	1	-	6	6	-	5	5	13	6
OLD BEN 21	BARREN	18	8A	-	1	1	-	1	2	-	1	1	-	5	5	13	6
OLD BEN 21	BARREN	18	8B	-	1	1	-	1	2	-	1	1	-	5	5	13	6
OLD BEN 21	BARREN	18	8C	-	1	1	-	1	1	-	6	6	-	5	5	13	6
OLD BEN 21	BARREN	18	8D	-	1	1	-	1	1	-	6	6	-	5	5	13	3
OLD BEN 21	BARREN	18	8E	-	1	1	-	1	1	-	6	6	-	5	5	14	10
OLD BEN 21	BARREN	18	8F	-	1	1	-	3	1	-	6	6	-	5	5	14	1
OLD BEN 21	BARREN	18	8G	-	1	1	-	2	1	-	6	6	-	5	5	14	6
OLD BEN 21	BARREN	18	8H	-	1	1	-	1	1	-	6	6	-	5	5	13	6
OLD BEN 21	GOODE	1	1A	1	1	1	1	1	2	5	5	5	3	3	3	13	1
OLD BEN 21	GOODE	1	1B	1	1	1	1	1	1	5	5	5	1	1	1	13	3
OLD BEN 21	GOODE	1	1C	1	1	1	1	1	1	5	5	5	1	1	1	3	3
OLD BEN 21	GOODE	1	1D	1	1	1	1	1	1	5	5	5	1	1	1	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 21	GOODE	1	1E	1	1	1	1	1	1	5	5	5	1	1	1	13	3
OLD BEN 21	GOODE	1	1F	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 21	GOODE	1	1G	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	1H	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 21	GOODE	1	2A	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 21	GOODE	1	2B	1	1	1	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 21	GOODE	1	2C	1	1	1	1	1	1	5	5	5	4	4	4	3	3
OLD BEN 21	GOODE	1	2D	1	1	1	1	1	1	5	5	5	4	4	4	3	3
OLD BEN 21	GOODE	1	2E	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	2F	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	2G	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	2H	3	3	3	1	1	1	5	5	5	3	3	3	0	1
OLD BEN 21	GOODE	1	3A	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 21	GOODE	1	3B	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	3C	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	3D	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 21	GOODE	1	3E	1	1	1	1	1	2	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	3F	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	3G	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 21	GOODE	1	3H	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	4A	1	1	1	1	1	1	5	5	5	2	2	2	3	3
OLD BEN 21	GOODE	1	4B	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	4C	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	4D	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	4E	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	4F	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	4G	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	4H	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	5A	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	5B	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	5C	1	1	1	1	3	3	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	5D	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	5E	4	4	4	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	5F	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	5G	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	5H	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	6A	1	1	1	1	1	3	5	5	5	1	1	1	13	3
OLD BEN 21	GOODE	1	6B	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	6C	1	1	1	3	3	3	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	6D	1	1	1	1	1	1	2	2	2	5	5	5	2	1
OLD BEN 21	GOODE	1	6E	4	4	4	3	3	3	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	6F	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	6G	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	6H	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	7A	1	1	1	1	1	1	5	5	5	1	1	1	3	6
OLD BEN 21	GOODE	1	7B	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	7C	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	7D	1	1	1	2	1	1	2	2	2	5	5	5	2	1
OLD BEN 21	GOODE	1	7E	4	4	4	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	7F	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	7G	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	7H	1	1	1	1	1	1	5	5	5	3	3	3	13	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 21	GOODE	1	8A	1	1	1	1	1	1	2	2	2	5	5	5	3	3
OLD BEN 21	GOODE	1	8B	1	1	1	1	1	1	2	2	2	5	5	5	2	1
OLD BEN 21	GOODE	1	8C	1	1	1	1	1	1	2	2	2	5	5	5	2	1
OLD BEN 21	GOODE	1	8D	1	1	1	1	1	1	2	2	2	5	5	5	13	1
OLD BEN 21	GOODE	1	8E	4	4	4	1	2	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	8F	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	8G	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	1	8H	1	1	1	1	1	1	5	5	5	2	2	2	13	6
OLD BEN 21	GOODE	2	1A	1	1	1	1	1	1	1	1	1	5	5	5	12	1
OLD BEN 21	GOODE	2	1B	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 21	GOODE	2	1C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 21	GOODE	2	1D	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 21	GOODE	2	1E	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 21	GOODE	2	1F	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 21	GOODE	2	1G	1	1	1	1	1	1	5	5	5	1	1	1	13	3
OLD BEN 21	GOODE	2	1H	1	1	1	1	1	1	5	5	5	1	1	1	13	3
OLD BEN 21	GOODE	2	2A	1	1	1	1	1	1	1	1	1	5	5	5	12	1
OLD BEN 21	GOODE	2	2B	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 21	GOODE	2	2C	1	1	1	1	1	2	5	5	5	1	1	1	13	3
OLD BEN 21	GOODE	2	2D	1	1	1	1	1	1	5	5	5	4	4	4	12	3
OLD BEN 21	GOODE	2	2E	1	1	1	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 21	GOODE	2	2F	1	1	1	1	1	1	5	5	5	1	1	1	13	3
OLD BEN 21	GOODE	2	2G	1	1	1	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 21	GOODE	2	2H	1	1	1	1	1	1	2	2	2	5	5	5	2	1
OLD BEN 21	GOODE	2	3A	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 21	GOODE	2	3B	1	1	1	1	1	1	1	1	1	5	5	5	12	1
OLD BEN 21	GOODE	2	3C	1	1	1	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 21	GOODE	2	3D	1	1	1	1	1	1	5	5	5	2	2	2	13	3
OLD BEN 21	GOODE	2	3E	1	1	1	1	1	2	5	5	5	1	1	1	13	3
OLD BEN 21	GOODE	2	3F	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 21	GOODE	2	3G	2	2	2	1	1	1	5	5	5	1	1	1	13	3
OLD BEN 21	GOODE	2	3H	1	1	1	1	1	1	2	2	2	5	5	5	14	3
OLD BEN 21	GOODE	2	4A	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 21	GOODE	2	4B	2	2	2	1	1	1	1	1	1	5	5	5	12	1
OLD BEN 21	GOODE	2	4C	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 21	GOODE	2	4D	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 21	GOODE	2	4E	1	1	1	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 21	GOODE	2	4F	2	2	2	1	1	1	2	2	2	5	5	5	14	6
OLD BEN 21	GOODE	2	4G	1	1	1	3	1	1	5	5	5	3	3	3	14	1
OLD BEN 21	GOODE	2	4H	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	GOODE	2	5A	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 21	GOODE	2	5B	2	2	2	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 21	GOODE	2	5C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 21	GOODE	2	5D	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 21	GOODE	2	5E	1	1	1	1	1	1	1	1	1	5	5	5	14	3
OLD BEN 21	GOODE	2	5F	1	1	1	1	1	1	1	1	1	5	5	5	14	1
OLD BEN 21	GOODE	2	5G	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 21	GOODE	2	5H	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 21	GOODE	2	6A	2	2	2	1	1	1	1	1	1	5	5	5	12	1
OLD BEN 21	GOODE	2	6B	2	2	2	1	1	1	1	1	1	5	5	5	14	3
OLD BEN 21	GOODE	2	6C	2	2	2	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 21	GOODE	2	6D	1	1	1	1	1	1	1	1	1	5	5	5	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 21	6OODE	2	6E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 21	6OODE	2	6F	1	1	1	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 21	6OODE	2	6G	1	1	1	1	1	1	1	1	1	5	5	5	3	3
OLD BEN 21	6OODE	2	6H	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	6OODE	2	7A	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 21	6OODE	2	7B	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 21	6OODE	2	7C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 21	6OODE	2	7D	1	1	1	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 21	6OODE	2	7E	2	2	2	1	1	1	1	1	1	5	5	5	14	3
OLD BEN 21	6OODE	2	7F	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 21	6OODE	2	7G	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 21	6OODE	2	7H	1	1	1	3	1	1	5	5	5	1	1	1	13	3
OLD BEN 21	6OODE	2	8A	4	4	4	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 21	6OODE	2	8B	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 21	6OODE	2	8C	1	1	1	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 21	6OODE	2	8D	1	1	1	1	1	1	1	1	1	5	5	5	14	3
OLD BEN 21	6OODE	2	8E	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 21	6OODE	2	8F	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 21	6OODE	2	8G	4	4	4	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 21	6OODE	2	8H	4	4	4	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 21	6OODE	11	1A	2	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	6OODE	11	1B	2	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 21	6OODE	11	1C	1	-	-	1	-	-	1	-	-	5	-	-	14	6
OLD BEN 21	6OODE	11	1D	1	-	-	1	-	-	1	-	-	5	-	-	14	3
OLD BEN 21	6OODE	11	1E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	6OODE	11	1F	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	6OODE	11	1G	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	6OODE	11	1H	1	-	-	1	-	-	1	-	-	5	-	-	2	1
OLD BEN 21	6OODE	11	2A	2	-	-	1	-	-	1	-	-	5	-	-	14	6
OLD BEN 21	6OODE	11	2B	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 21	6OODE	11	2C	2	-	-	1	-	-	1	-	-	5	-	-	14	6
OLD BEN 21	6OODE	11	2D	1	-	-	1	-	-	1	-	-	5	-	-	14	3
OLD BEN 21	6OODE	11	2E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	6OODE	11	2F	2	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	6OODE	11	2G	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	6OODE	11	2H	1	-	-	1	-	-	1	-	-	5	-	-	12	3
OLD BEN 21	6OODE	11	3A	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	6OODE	11	3B	2	-	-	1	-	-	1	-	-	5	-	-	14	6
OLD BEN 21	6OODE	11	3C	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 21	6OODE	11	3D	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 21	6OODE	11	3E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	6OODE	11	3F	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	6OODE	11	3G	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	6OODE	11	3H	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	6OODE	11	4A	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	6OODE	11	4B	1	-	-	1	-	-	1	-	-	5	-	-	14	6
OLD BEN 21	6OODE	11	4C	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	6OODE	11	4D	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	6OODE	11	4E	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 21	6OODE	11	4F	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	6OODE	11	4G	1	-	-	1	-	-	1	-	-	5	-	-	13	1
OLD BEN 21	6OODE	11	4H	4	-	-	1	-	-	1	-	-	5	-	-	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 21	GOODE	11	5A	1	-	-	1	-	-	1	-	-	5	-	-	14	3
OLD BEN 21	GOODE	11	5B	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 21	GOODE	11	5C	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	GOODE	11	5D	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 21	GOODE	11	5E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	GOODE	11	5F	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	GOODE	11	5G	1	-	-	1	-	-	1	-	-	5	-	-	13	1
OLD BEN 21	GOODE	11	5H	1	-	-	1	-	-	1	-	-	5	-	-	13	1
OLD BEN 21	GOODE	11	6A	1	-	-	1	-	-	1	-	-	5	-	-	14	6
OLD BEN 21	GOODE	11	6B	1	-	-	1	-	-	1	-	-	5	-	-	14	6
OLD BEN 21	GOODE	11	6C	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	GOODE	11	6D	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	GOODE	11	6E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	GOODE	11	6F	1	-	-	1	-	-	1	-	-	5	-	-	13	1
OLD BEN 21	GOODE	11	6G	1	-	-	1	-	-	1	-	-	5	-	-	12	1
OLD BEN 21	GOODE	11	6H	1	-	-	1	-	-	1	-	-	5	-	-	13	1
OLD BEN 21	GOODE	11	7A	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	GOODE	11	7B	1	-	-	1	-	-	1	-	-	5	-	-	12	3
OLD BEN 21	GOODE	11	7C	1	-	-	1	-	-	1	-	-	5	-	-	12	3
OLD BEN 21	GOODE	11	7D	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 21	GOODE	11	7E	2	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 21	GOODE	11	7F	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	GOODE	11	7G	1	-	-	1	-	-	1	-	-	5	-	-	12	3
OLD BEN 21	GOODE	11	7H	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	GOODE	11	8A	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	GOODE	11	8B	3	-	-	1	-	-	1	-	-	5	-	-	0	1
OLD BEN 21	GOODE	11	8C	1	-	-	1	-	-	1	-	-	5	-	-	14	6
OLD BEN 21	GOODE	11	8D	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	GOODE	11	8E	2	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 21	GOODE	11	8F	2	-	-	1	-	-	1	-	-	5	-	-	12	1
OLD BEN 21	GOODE	11	8G	1	-	-	1	-	-	1	-	-	5	-	-	12	1
OLD BEN 21	GOODE	11	8H	1	-	-	1	-	-	1	-	-	5	-	-	12	1
OLD BEN 21	GOODE	14	1A	-	1	1	-	1	1	-	1	1	-	5	5	14	6
OLD BEN 21	GOODE	14	1B	-	1	1	-	1	1	-	1	1	-	5	5	72	1
OLD BEN 21	GOODE	14	1C	-	1	1	-	1	1	-	1	1	-	5	5	14	6
OLD BEN 21	GOODE	14	1D	-	4	4	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	14	1E	-	2	2	-	1	1	-	1	2	-	5	5	13	3
OLD BEN 21	GOODE	14	1F	-	1	1	-	1	1	-	1	3	-	5	5	13	3
OLD BEN 21	GOODE	14	1G	-	1	1	-	3	1	-	1	4	-	5	3	12	1
OLD BEN 21	GOODE	14	1H	-	1	1	-	1	2	-	1	4	-	5	3	12	1
OLD BEN 21	GOODE	14	2A	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	14	2B	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	14	2C	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	14	2D	-	1	1	-	1	1	-	1	1	-	5	5	13	1
OLD BEN 21	GOODE	14	2E	-	1	1	-	1	1	-	1	2	-	5	5	13	3
OLD BEN 21	GOODE	14	2F	-	1	1	-	1	1	-	1	3	-	5	5	13	1
OLD BEN 21	GOODE	14	2G	-	1	1	-	1	1	-	1	4	-	5	1	13	6
OLD BEN 21	GOODE	14	2H	-	1	1	-	1	1	-	1	2	-	5	5	13	1
OLD BEN 21	GOODE	14	3A	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	14	3B	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	14	3C	-	3	3	-	1	1	-	1	1	-	5	5	0	1
OLD BEN 21	GOODE	14	3D	-	1	1	-	1	1	-	1	1	-	5	5	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 21	GOODE	14	3E	-	1	1	-	1	1	-	1	2	-	5	5	13	6
OLD BEN 21	GOODE	14	3F	-	1	1	-	1	1	-	1	4	-	5	3	13	1
OLD BEN 21	GOODE	14	3G	-	1	1	-	1	1	-	1	4	-	5	2	13	3
OLD BEN 21	GOODE	14	3H	-	1	1	-	1	1	-	1	2	-	5	5	12	1
OLD BEN 21	GOODE	14	4A	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	14	4B	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	14	4C	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	14	4D	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	14	4E	-	1	1	-	1	1	-	1	2	-	5	5	13	6
OLD BEN 21	GOODE	14	4F	-	1	1	-	1	1	-	1	4	-	5	2	13	6
OLD BEN 21	GOODE	14	4G	-	4	4	-	1	1	-	1	4	-	5	3	13	1
OLD BEN 21	GOODE	14	4H	-	4	4	-	1	1	-	1	2	-	5	5	12	1
OLD BEN 21	GOODE	14	5A	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	14	5B	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	14	5C	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	14	5D	-	1	1	-	1	1	-	1	1	-	5	5	13	10
OLD BEN 21	GOODE	14	5E	-	1	1	-	1	1	-	1	2	-	5	5	13	3
OLD BEN 21	GOODE	14	5F	-	1	1	-	1	1	-	1	4	-	5	2	13	6
OLD BEN 21	GOODE	14	5G	-	4	4	-	1	1	-	1	2	-	5	5	13	1
OLD BEN 21	GOODE	14	5H	-	4	4	-	1	1	-	1	2	-	5	5	13	1
OLD BEN 21	GOODE	14	6A	-	1	1	-	1	1	-	1	1	-	5	5	14	6
OLD BEN 21	GOODE	14	6B	-	1	1	-	1	1	-	1	1	-	5	5	14	6
OLD BEN 21	GOODE	14	6C	-	1	1	-	1	1	-	1	1	-	5	5	14	6
OLD BEN 21	GOODE	14	6D	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	14	6E	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	14	6F	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	14	6G	-	4	4	-	1	1	-	3	3	-	5	5	13	1
OLD BEN 21	GOODE	14	6H	-	4	4	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 21	GOODE	14	7A	-	1	1	-	1	1	-	1	1	-	5	5	13	10
OLD BEN 21	GOODE	14	7B	-	1	1	-	1	1	-	1	1	-	5	5	14	1
OLD BEN 21	GOODE	14	7C	-	1	1	-	1	1	-	1	1	-	5	5	14	6
OLD BEN 21	GOODE	14	7D	-	1	1	-	1	1	-	1	1	-	5	5	72	1
OLD BEN 21	GOODE	14	7E	-	1	1	-	1	1	-	1	1	-	5	5	13	10
OLD BEN 21	GOODE	14	7F	-	3	3	-	1	1	-	1	1	-	5	5	0	1
OLD BEN 21	GOODE	14	7G	-	1	1	-	4	1	-	4	4	-	3	3	13	1
OLD BEN 21	GOODE	14	7H	-	1	1	-	2	2	-	2	2	-	5	5	13	1
OLD BEN 21	GOODE	14	8A	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	14	8B	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	14	8C	-	3	3	-	1	1	-	1	1	-	5	5	0	1
OLD BEN 21	GOODE	14	8D	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	14	8E	-	4	4	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	14	8F	-	1	1	-	1	1	-	1	1	-	5	5	72	1
OLD BEN 21	GOODE	14	8G	-	1	1	-	1	1	-	4	4	-	3	3	72	1
OLD BEN 21	GOODE	14	8H	-	1	1	-	1	2	-	2	2	-	5	5	13	6
OLD BEN 21	GOODE	23	1A	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	1B	-	1	1	-	1	1	-	1	1	-	5	5	14	6
OLD BEN 21	GOODE	23	1C	-	1	1	-	1	3	-	1	1	-	5	5	13	10
OLD BEN 21	GOODE	23	1D	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	1E	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	1F	-	1	1	-	1	1	-	1	1	-	5	5	72	1
OLD BEN 21	GOODE	23	1G	-	1	1	-	1	2	-	4	4	-	1	1	13	6
OLD BEN 21	GOODE	23	1H	-	1	1	-	1	3	-	4	4	-	2	2	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 21	GOODE	23	2A	-	2	2	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	2B	-	2	2	-	1	1	-	1	1	-	5	5	13	10
OLD BEN 21	GOODE	23	2C	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	2D	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	2E	-	4	4	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	2F	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	2G	-	1	1	-	1	1	-	4	4	-	1	1	13	10
OLD BEN 21	GOODE	23	2H	-	1	1	-	1	1	-	4	4	-	1	1	13	6
OLD BEN 21	GOODE	23	3A	-	1	1	-	1	1	-	1	1	-	5	5	13	10
OLD BEN 21	GOODE	23	3B	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	3C	-	1	1	-	1	1	-	1	1	-	5	5	14	10
OLD BEN 21	GOODE	23	3D	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	3E	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	3F	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	3G	-	1	1	-	1	1	-	4	4	-	1	1	13	6
OLD BEN 21	GOODE	23	3H	-	1	1	-	1	1	-	4	4	-	1	1	13	6
OLD BEN 21	GOODE	23	4A	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	4B	-	1	1	-	1	1	-	1	1	-	5	5	14	6
OLD BEN 21	GOODE	23	4C	-	1	1	-	1	1	-	1	1	-	5	5	13	10
OLD BEN 21	GOODE	23	4D	-	1	1	-	1	1	-	1	1	-	5	5	14	10
OLD BEN 21	GOODE	23	4E	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	4F	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	4G	-	1	1	-	1	1	-	4	4	-	1	1	13	3
OLD BEN 21	GOODE	23	4H	-	1	1	-	1	1	-	4	4	-	1	1	13	6
OLD BEN 21	GOODE	23	5A	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	5B	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	5C	-	1	1	-	1	1	-	1	1	-	5	5	14	6
OLD BEN 21	GOODE	23	5D	-	1	1	-	1	1	-	1	1	-	5	5	14	10
OLD BEN 21	GOODE	23	5E	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	5F	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	5G	-	1	1	-	1	1	-	4	4	-	2	2	13	3
OLD BEN 21	GOODE	23	5H	-	1	1	-	1	1	-	4	4	-	3	3	13	1
OLD BEN 21	GOODE	23	6A	-	1	1	-	1	1	-	1	1	-	5	5	13	10
OLD BEN 21	GOODE	23	6B	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	6C	-	1	1	-	1	1	-	1	1	-	5	5	14	6
OLD BEN 21	GOODE	23	6D	-	1	1	-	1	2	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	6E	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	6F	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	23	6G	-	1	1	-	1	1	-	4	4	-	2	2	13	3
OLD BEN 21	GOODE	23	6H	-	1	1	-	1	1	-	4	4	-	2	2	13	6
OLD BEN 21	GOODE	23	7A	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	7B	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	7C	-	4	4	-	1	1	-	1	1	-	5	5	14	6
OLD BEN 21	GOODE	23	7D	-	1	1	-	1	2	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	7E	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	23	7F	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	7G	-	1	1	-	1	1	-	4	4	-	3	3	13	1
OLD BEN 21	GOODE	23	7H	-	1	1	-	2	2	-	4	4	-	3	3	13	1
OLD BEN 21	GOODE	23	8A	-	2	2	-	1	1	-	1	1	-	5	5	13	1
OLD BEN 21	GOODE	23	8B	-	1	1	-	1	1	-	1	1	-	5	5	13	10
OLD BEN 21	GOODE	23	8C	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	23	8D	-	1	1	-	1	1	-	1	1	-	5	5	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 21	GOODE	23	8E	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	23	8F	-	1	1	-	1	1	-	1	1	-	5	5	13	1
OLD BEN 21	GOODE	23	8G	-	2	2	-	1	1	-	1	1	-	5	5	12	1
OLD BEN 21	GOODE	23	8H	-	2	2	-	1	1	-	1	1	-	5	5	12	1
OLD BEN 21	GOODE	24	1A	-	2	2	-	1	1	-	4	4	-	3	3	13	1
OLD BEN 21	GOODE	24	1B	-	1	1	-	1	1	-	1	2	-	5	5	13	3
OLD BEN 21	GOODE	24	1C	-	1	1	-	1	1	-	1	5	-	5	2	13	3
OLD BEN 21	GOODE	24	1D	-	1	1	-	1	1	-	1	5	-	5	1	12	3
OLD BEN 21	GOODE	24	1E	-	1	1	-	1	1	-	1	5	-	5	3	13	1
OLD BEN 21	GOODE	24	1F	-	1	1	-	1	1	-	1	5	-	5	3	2	1
OLD BEN 21	GOODE	24	1G	-	1	1	-	1	1	-	1	3	-	5	5	2	1
OLD BEN 21	GOODE	24	1H	-	1	1	-	1	1	-	1	1	-	5	5	13	1
OLD BEN 21	GOODE	24	2A	-	1	1	-	1	2	-	4	4	-	1	1	13	6
OLD BEN 21	GOODE	24	2B	-	1	1	-	1	1	-	1	2	-	5	5	13	6
OLD BEN 21	GOODE	24	2C	-	1	1	-	1	3	-	1	2	-	5	5	13	6
OLD BEN 21	GOODE	24	2D	-	2	2	-	1	1	-	1	2	-	5	5	13	3
OLD BEN 21	GOODE	24	2E	-	1	1	-	1	1	-	1	2	-	5	5	12	3
OLD BEN 21	GOODE	24	2F	-	1	1	-	1	1	-	1	2	-	5	5	13	3
OLD BEN 21	GOODE	24	2G	-	1	1	-	1	1	-	1	2	-	5	5	13	1
OLD BEN 21	GOODE	24	2H	-	1	1	-	1	1	-	1	1	-	5	5	13	1
OLD BEN 21	GOODE	24	3A	-	1	1	-	2	2	-	4	4	-	1	1	13	3
OLD BEN 21	GOODE	24	3B	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	24	3C	-	1	1	-	1	1	-	1	1	-	5	5	12	3
OLD BEN 21	GOODE	24	3D	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	24	3E	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	24	3F	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	24	3G	-	1	1	-	1	1	-	1	1	-	5	5	13	1
OLD BEN 21	GOODE	24	3H	-	1	1	-	1	1	-	6	6	-	5	5	13	3
OLD BEN 21	GOODE	24	4A	-	3	3	-	2	2	-	4	4	-	2	2	0	1
OLD BEN 21	GOODE	24	4B	-	1	1	-	1	1	-	1	1	-	5	5	12	3
OLD BEN 21	GOODE	24	4C	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	24	4D	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	24	4E	-	1	1	-	1	1	-	1	1	-	5	5	13	1
OLD BEN 21	GOODE	24	4F	-	2	2	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	24	4G	-	1	1	-	1	1	-	1	1	-	5	5	13	1
OLD BEN 21	GOODE	24	4H	-	1	1	-	1	1	-	6	6	-	5	5	14	1
OLD BEN 21	GOODE	24	5A	-	1	1	-	2	2	-	4	4	-	2	2	13	3
OLD BEN 21	GOODE	24	5B	-	1	1	-	1	1	-	1	1	-	5	5	12	1
OLD BEN 21	GOODE	24	5C	-	1	1	-	1	1	-	1	1	-	5	5	13	1
OLD BEN 21	GOODE	24	5D	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	24	5E	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	24	5F	-	4	4	-	1	1	-	1	1	-	5	5	13	1
OLD BEN 21	GOODE	24	5G	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	24	5H	-	1	1	-	1	1	-	6	6	-	5	5	13	10
OLD BEN 21	GOODE	24	6A	-	1	1	-	2	3	-	4	4	-	1	1	13	3
OLD BEN 21	GOODE	24	6B	-	1	1	-	1	2	-	1	1	-	5	5	12	1
OLD BEN 21	GOODE	24	6C	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	24	6D	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	24	6E	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	24	6F	-	4	4	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 21	GOODE	24	6G	-	1	1	-	1	1	-	1	1	-	5	5	14	6
OLD BEN 21	GOODE	24	6H	-	1	1	-	1	1	-	6	6	-	5	5	14	10

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 21	GOODE	24	7A	-	1	1	-	4	3	-	4	4	-	1	1	13	3
OLD BEN 21	GOODE	24	7B	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	24	7C	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	24	7D	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	24	7E	-	3	3	-	1	1	-	1	1	-	5	5	0	1
OLD BEN 21	GOODE	24	7F	-	4	4	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	24	7G	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	24	7H	-	3	3	-	1	1	-	6	6	-	5	5	0	1
OLD BEN 21	GOODE	24	8A	-	1	1	-	1	1	-	1	1	-	5	5	12	1
OLD BEN 21	GOODE	24	8B	-	1	1	-	1	1	-	1	1	-	5	5	12	1
OLD BEN 21	GOODE	24	8C	-	1	1	-	1	1	-	1	1	-	5	5	13	1
OLD BEN 21	GOODE	24	8D	-	1	1	-	1	1	-	1	1	-	5	5	12	3
OLD BEN 21	GOODE	24	8E	-	4	4	-	1	1	-	1	1	-	5	5	12	3
OLD BEN 21	GOODE	24	8F	-	4	4	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 21	GOODE	24	8G	-	1	1	-	1	1	-	1	1	-	5	5	14	6
OLD BEN 21	GOODE	24	8H	-	1	1	-	1	1	-	6	6	-	5	5	13	6
OLD BEN 24	BENTON	?	1A	3	3	3	1	1	1	5	5	5	1	1	1	0	1
OLD BEN 24	BENTON	?	1B	4	4	4	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 24	BENTON	?	1C	1	1	1	1	1	1	5	5	5	1	1	1	13	6
OLD BEN 24	BENTON	?	1D	4	4	4	1	1	1	5	5	5	1	1	1	13	6
OLD BEN 24	BENTON	?	1E	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 24	BENTON	?	1F	1	1	1	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	?	1G	4	4	4	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	?	1H	1	1	1	1	1	1	1	1	1	5	5	5	3	3
OLD BEN 24	BENTON	?	2A	1	1	1	1	1	1	5	5	5	1	1	1	13	3
OLD BEN 24	BENTON	?	2B	4	4	4	1	1	1	2	2	2	5	5	5	14	3
OLD BEN 24	BENTON	?	2C	1	1	1	1	1	1	5	5	5	2	2	2	13	3
OLD BEN 24	BENTON	?	2D	4	4	4	3	1	1	5	5	5	3	3	3	13	1
OLD BEN 24	BENTON	?	2E	1	1	1	3	1	1	3	3	3	5	5	5	2	1
OLD BEN 24	BENTON	?	2F	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 24	BENTON	?	2G	1	1	1	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	?	2H	1	1	1	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	?	3A	2	2	2	1	1	1	5	5	5	1	1	1	14	10
OLD BEN 24	BENTON	?	3B	4	4	4	1	1	1	2	2	2	5	5	5	14	6
OLD BEN 24	BENTON	?	3C	1	1	1	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 24	BENTON	?	3D	4	4	4	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 24	BENTON	?	3E	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 24	BENTON	?	3F	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 24	BENTON	?	3G	1	1	1	1	1	3	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	?	3H	1	1	1	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	?	4A	2	2	2	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 24	BENTON	?	4B	2	2	2	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 24	BENTON	?	4C	1	1	1	3	3	1	3	3	3	5	5	5	13	3
OLD BEN 24	BENTON	?	4D	4	4	4	1	1	1	3	3	3	5	5	5	3	3
OLD BEN 24	BENTON	?	4E	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 24	BENTON	?	4F	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 24	BENTON	?	4G	4	4	4	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 24	BENTON	?	4H	1	1	1	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	?	5A	4	4	4	1	1	1	3	3	3	5	5	5	14	3
OLD BEN 24	BENTON	?	5B	2	2	2	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 24	BENTON	?	5C	4	4	4	1	1	1	3	3	3	5	5	5	13	1
OLD BEN 24	BENTON	?	5D	4	4	4	1	1	1	3	3	3	5	5	5	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 24	BENTON	7	5E	1	1	1	1	2	1	3	3	3	5	5	5	2	1
OLD BEN 24	BENTON	7	5F	1	1	1	3	1	1	3	3	3	5	5	5	2	1
OLD BEN 24	BENTON	7	5G	4	4	4	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 24	BENTON	7	5H	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 24	BENTON	7	6A	4	4	4	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 24	BENTON	7	6B	4	4	4	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 24	BENTON	7	6C	4	4	4	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 24	BENTON	7	6D	4	4	4	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 24	BENTON	7	6E	1	1	1	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	7	6F	1	1	1	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	7	6G	2	2	2	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	7	6H	1	1	1	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	7	7A	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 24	BENTON	7	7B	4	4	4	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 24	BENTON	7	7C	4	4	4	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 24	BENTON	7	7D	4	4	4	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	7	7E	4	4	4	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	7	7F	4	4	4	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	7	7G	2	2	2	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	7	7H	1	1	1	1	3	2	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	7	8A	4	4	4	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 24	BENTON	7	8B	2	2	2	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 24	BENTON	7	8C	4	4	4	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 24	BENTON	7	8D	4	4	4	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 24	BENTON	7	8E	4	4	4	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	7	8F	4	4	4	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	7	8G	2	2	2	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BENTON	7	8H	1	1	1	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BROWNING	1	1A	4	4	4	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 24	BROWNING	1	1B	3	3	3	1	1	1	5	5	5	3	3	3	0	1
OLD BEN 24	BROWNING	1	1C	2	2	2	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 24	BROWNING	1	1D	2	2	2	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 24	BROWNING	1	1E	2	2	2	1	1	1	1	1	1	5	5	5	14	3
OLD BEN 24	BROWNING	1	1F	3	3	3	1	1	1	1	1	1	5	5	5	0	1
OLD BEN 24	BROWNING	1	1G	4	4	4	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 24	BROWNING	1	1H	2	2	2	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 24	BROWNING	1	2A	4	4	4	1	1	1	5	5	5	1	1	1	13	10
OLD BEN 24	BROWNING	1	2B	2	2	2	1	1	1	5	5	5	1	1	1	14	10
OLD BEN 24	BROWNING	1	2C	2	2	2	1	1	1	1	1	1	5	5	5	14	3
OLD BEN 24	BROWNING	1	2D	2	2	2	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 24	BROWNING	1	2E	2	2	2	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 24	BROWNING	1	2F	2	2	2	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 24	BROWNING	1	2G	4	4	4	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 24	BROWNING	1	2H	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 24	BROWNING	1	3A	1	1	1	1	1	1	5	5	5	2	2	2	13	3
OLD BEN 24	BROWNING	1	3B	2	2	2	1	1	1	5	5	5	1	1	1	14	10
OLD BEN 24	BROWNING	1	3C	4	4	4	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 24	BROWNING	1	3D	1	1	1	3	1	1	2	2	5	5	5	2	13	3
OLD BEN 24	BROWNING	1	3E	1	1	1	1	1	1	1	1	5	5	5	2	14	3
OLD BEN 24	BROWNING	1	3F	1	1	1	1	1	1	1	1	5	5	5	2	13	3
OLD BEN 24	BROWNING	1	3G	2	2	2	1	1	1	1	1	5	5	5	2	13	3
OLD BEN 24	BROWNING	1	3H	1	1	1	1	1	1	1	1	1	5	5	5	13	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 24	BROWNING	1	4A	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 24	BROWNING	1	4B	1	1	1	3	3	3	3	3	3	5	5	5	13	1
OLD BEN 24	BROWNING	1	4C	1	1	1	1	1	2	2	2	2	5	5	5	13	1
OLD BEN 24	BROWNING	1	4D	1	1	1	1	1	1	2	2	3	5	5	5	13	1
OLD BEN 24	BROWNING	1	4E	1	1	1	1	1	1	1	1	5	5	5	2	14	3
OLD BEN 24	BROWNING	1	4F	1	1	1	1	1	1	1	1	2	5	5	5	13	3
OLD BEN 24	BROWNING	1	4G	1	1	1	1	1	1	1	1	5	5	5	2	13	3
OLD BEN 24	BROWNING	1	4H	1	1	1	1	1	1	1	1	2	5	5	5	13	3
OLD BEN 24	BROWNING	1	5A	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 24	BROWNING	1	5B	2	2	2	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 24	BROWNING	1	5C	2	2	2	1	1	1	2	2	2	5	5	5	14	6
OLD BEN 24	BROWNING	1	5D	1	1	1	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 24	BROWNING	1	5E	2	2	2	1	1	1	1	1	2	5	5	5	14	6
OLD BEN 24	BROWNING	1	5F	2	2	2	1	1	2	1	1	2	5	5	5	14	6
OLD BEN 24	BROWNING	1	5G	1	1	1	1	1	1	1	1	2	5	5	5	14	3
OLD BEN 24	BROWNING	1	5H	1	1	1	1	1	1	1	1	2	5	5	5	13	3
OLD BEN 24	BROWNING	1	6A	2	2	2	1	1	1	3	3	3	5	5	5	14	10
OLD BEN 24	BROWNING	1	6B	2	2	2	1	1	1	2	2	2	5	5	5	14	10
OLD BEN 24	BROWNING	1	6C	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 24	BROWNING	1	6D	2	2	2	1	2	1	2	2	4	5	5	1	14	10
OLD BEN 24	BROWNING	1	6E	1	1	1	1	2	2	4	4	4	2	2	2	14	10
OLD BEN 24	BROWNING	1	6F	1	1	1	3	2	1	4	4	4	1	1	1	14	6
OLD BEN 24	BROWNING	1	6G	1	1	1	1	2	1	4	4	4	2	2	2	14	6
OLD BEN 24	BROWNING	1	6H	2	2	2	1	1	1	4	4	4	2	2	2	13	3
OLD BEN 24	BROWNING	1	7A	2	2	2	1	1	1	4	4	4	1	1	1	14	6
OLD BEN 24	BROWNING	1	7B	1	1	1	1	2	1	3	3	3	5	5	5	14	6
OLD BEN 24	BROWNING	1	7C	2	2	2	1	1	1	3	3	3	5	5	5	14	10
OLD BEN 24	BROWNING	1	7D	2	2	2	1	1	1	3	3	3	5	5	5	14	6
OLD BEN 24	BROWNING	1	7E	2	2	2	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 24	BROWNING	1	7F	1	1	1	1	1	1	3	3	3	5	5	5	13	10
OLD BEN 24	BROWNING	1	7G	2	2	2	1	1	1	3	3	3	5	5	5	14	10
OLD BEN 24	BROWNING	1	7H	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 24	BROWNING	1	8A	2	2	2	1	1	1	4	4	4	2	2	2	14	10
OLD BEN 24	BROWNING	1	8B	2	2	2	1	1	1	3	3	3	5	5	5	14	10
OLD BEN 24	BROWNING	1	8C	2	2	2	1	1	1	2	2	4	5	5	2	14	6
OLD BEN 24	BROWNING	1	8D	2	2	2	1	1	1	2	2	4	5	5	2	14	10
OLD BEN 24	BROWNING	1	8E	2	2	2	1	1	1	2	2	4	5	5	2	14	10
OLD BEN 24	BROWNING	1	8F	2	2	2	1	1	1	2	2	4	5	5	2	14	10
OLD BEN 24	BROWNING	1	8G	2	2	2	1	1	1	2	2	4	5	5	1	13	3
OLD BEN 24	BROWNING	1	8H	2	2	2	1	1	1	2	2	4	5	5	1	14	10
OLD BEN 24	BROWNING	9	1A	-	1	1	-	1	1	-	1	1	-	5	5	14	10
OLD BEN 24	BROWNING	9	1B	-	1	1	-	1	1	-	2	2	-	5	5	14	10
OLD BEN 24	BROWNING	9	1C	-	1	1	-	1	1	-	5	5	-	1	1	14	6
OLD BEN 24	BROWNING	9	1D	-	1	1	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 24	BROWNING	9	1E	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 24	BROWNING	9	1F	-	1	1	-	1	1	-	5	5	-	1	1	14	10
OLD BEN 24	BROWNING	9	1G	-	1	1	-	3	1	-	3	3	-	5	5	14	3
OLD BEN 24	BROWNING	9	1H	-	1	1	-	3	2	-	3	3	-	5	5	13	3
OLD BEN 24	BROWNING	9	2A	-	2	2	-	1	1	-	1	1	-	5	5	14	10
OLD BEN 24	BROWNING	9	2B	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 24	BROWNING	9	2C	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 24	BROWNING	9	2D	-	1	1	-	1	3	-	5	5	-	1	1	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 24	BROWNING	9	2E	-	1	1	-	1	1	-	5	5	-	1	1	14	10
OLD BEN 24	BROWNING	9	2F	-	1	1	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 24	BROWNING	9	2G	-	1	1	-	3	1	-	5	5	-	4	4	13	3
OLD BEN 24	BROWNING	9	2H	-	1	1	-	3	2	-	5	5	-	3	3	13	1
OLD BEN 24	BROWNING	9	3A	-	1	1	-	1	1	-	1	1	-	5	5	13	10
OLD BEN 24	BROWNING	9	3B	-	1	1	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 24	BROWNING	9	3C	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 24	BROWNING	9	3D	-	1	1	-	1	2	-	5	5	-	4	4	13	6
OLD BEN 24	BROWNING	9	3E	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 24	BROWNING	9	3F	-	1	1	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 24	BROWNING	9	3G	-	1	1	-	3	1	-	5	5	-	4	4	13	3
OLD BEN 24	BROWNING	9	3H	-	1	1	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 24	BROWNING	9	4A	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 24	BROWNING	9	4B	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 24	BROWNING	9	4C	-	1	1	-	1	1	-	5	5	-	2	2	13	6
OLD BEN 24	BROWNING	9	4D	-	1	1	-	1	3	-	5	5	-	1	1	13	3
OLD BEN 24	BROWNING	9	4E	-	1	1	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 24	BROWNING	9	4F	-	1	1	-	3	1	-	5	5	-	4	4	13	3
OLD BEN 24	BROWNING	9	4G	-	1	1	-	3	1	-	5	5	-	3	3	13	1
OLD BEN 24	BROWNING	9	4H	-	1	1	-	3	2	-	5	5	-	4	4	13	3
OLD BEN 24	BROWNING	9	5A	-	1	1	-	1	1	-	1	1	-	5	5	13	10
OLD BEN 24	BROWNING	9	5B	-	1	1	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 24	BROWNING	9	5C	-	1	1	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 24	BROWNING	9	5D	-	1	1	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 24	BROWNING	9	5E	-	1	1	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 24	BROWNING	9	5F	-	1	1	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 24	BROWNING	9	5G	-	1	1	-	3	1	-	5	5	-	3	3	13	1
OLD BEN 24	BROWNING	9	5H	-	1	1	-	1	1	-	5	5	-	2	2	13	3
OLD BEN 24	BROWNING	9	6A	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 24	BROWNING	9	6B	-	1	1	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 24	BROWNING	9	6C	-	1	1	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 24	BROWNING	9	6D	-	1	1	-	1	1	-	2	2	-	5	5	109	3
OLD BEN 24	BROWNING	9	6E	-	1	1	-	1	2	-	2	2	-	5	5	13	3
OLD BEN 24	BROWNING	9	6F	-	1	1	-	1	1	-	2	2	-	5	5	13	1
OLD BEN 24	BROWNING	9	6G	-	1	1	-	1	1	-	2	2	-	5	5	13	1
OLD BEN 24	BROWNING	9	6H	-	1	1	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 24	BROWNING	9	7A	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 24	BROWNING	9	7B	-	1	1	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 24	BROWNING	9	7C	-	1	1	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 24	BROWNING	9	7D	-	1	1	-	1	1	-	2	2	-	5	5	109	1
OLD BEN 24	BROWNING	9	7E	-	1	1	-	1	1	-	2	2	-	5	5	109	1
OLD BEN 24	BROWNING	9	7F	-	1	1	-	1	1	-	2	2	-	5	5	13	1
OLD BEN 24	BROWNING	9	7G	-	1	1	-	1	1	-	2	2	-	5	5	13	1
OLD BEN 24	BROWNING	9	7H	-	2	2	-	1	1	-	2	2	-	5	5	13	1
OLD BEN 24	BROWNING	9	8A	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 24	BROWNING	9	8B	-	1	1	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 24	BROWNING	9	8C	-	1	1	-	1	1	-	2	2	-	5	5	109	1
OLD BEN 24	BROWNING	9	8D	-	1	1	-	1	1	-	2	2	-	5	5	109	1
OLD BEN 24	BROWNING	9	8E	-	1	1	-	1	1	-	2	2	-	5	5	109	1
OLD BEN 24	BROWNING	9	8F	-	1	1	-	1	1	-	2	2	-	5	5	13	1
OLD BEN 24	BROWNING	9	8G	-	1	1	-	1	1	-	2	2	-	5	5	13	1
OLD BEN 24	BROWNING	9	8H	-	2	2	-	1	1	-	2	2	-	5	5	108	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 24	BROWNING	10	1A	-	1	1	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 24	BROWNING	10	1B	-	1	1	-	3	1	-	5	5	-	2	2	13	3
OLD BEN 24	BROWNING	10	1C	-	1	1	-	3	1	-	5	5	-	2	2	13	3
OLD BEN 24	BROWNING	10	1D	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 24	BROWNING	10	1E	-	1	1	-	1	1	-	2	2	-	5	5	108	1
OLD BEN 24	BROWNING	10	1F	-	1	1	-	1	2	-	2	2	-	5	5	108	1
OLD BEN 24	BROWNING	10	1G	-	1	1	-	1	1	-	3	3	-	5	5	108	1
OLD BEN 24	BROWNING	10	1H	-	2	2	-	1	1	-	2	2	-	5	5	108	1
OLD BEN 24	BROWNING	10	2A	-	1	1	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 24	BROWNING	10	2B	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 24	BROWNING	10	2C	-	1	1	-	3	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	2D	-	1	1	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	2E	-	1	1	-	1	2	-	2	2	-	5	5	108	1
OLD BEN 24	BROWNING	10	2F	-	1	1	-	1	1	-	2	2	-	5	5	108	1
OLD BEN 24	BROWNING	10	2G	-	1	1	-	1	2	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	2H	-	2	2	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	3A	-	1	1	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 24	BROWNING	10	3B	-	1	1	-	3	1	-	5	5	-	4	4	13	6
OLD BEN 24	BROWNING	10	3C	-	1	1	-	1	2	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	3D	-	1	1	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	3E	-	1	1	-	1	1	-	2	2	-	5	5	108	1
OLD BEN 24	BROWNING	10	3F	-	1	1	-	1	1	-	2	2	-	5	5	108	1
OLD BEN 24	BROWNING	10	3G	-	1	1	-	3	4	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	3H	-	1	1	-	4	4	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	4A	-	1	1	-	1	3	-	5	5	-	3	3	13	1
OLD BEN 24	BROWNING	10	4B	-	1	1	-	3	1	-	5	5	-	4	4	14	6
OLD BEN 24	BROWNING	10	4C	-	1	1	-	1	1	-	5	5	-	4	4	382	1
OLD BEN 24	BROWNING	10	4D	-	1	1	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	4E	-	1	1	-	1	1	-	2	2	-	5	5	108	1
OLD BEN 24	BROWNING	10	4F	-	1	1	-	1	1	-	2	2	-	5	5	108	1
OLD BEN 24	BROWNING	10	4G	-	1	1	-	3	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	4H	-	1	1	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	5A	-	1	1	-	3	1	-	5	5	-	1	1	13	3
OLD BEN 24	BROWNING	10	5B	-	1	1	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 24	BROWNING	10	5C	-	1	1	-	1	1	-	5	5	-	2	2	382	1
OLD BEN 24	BROWNING	10	5D	-	1	1	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	5E	-	1	1	-	1	1	-	2	2	-	5	5	108	1
OLD BEN 24	BROWNING	10	5F	-	1	1	-	1	1	-	2	2	-	5	5	84	1
OLD BEN 24	BROWNING	10	5G	-	2	2	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	5H	-	2	2	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	6A	-	1	1	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 24	BROWNING	10	6B	-	1	1	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 24	BROWNING	10	6C	-	1	1	-	1	1	-	2	2	-	5	5	108	1
OLD BEN 24	BROWNING	10	6D	-	1	1	-	1	1	-	2	2	-	5	5	108	1
OLD BEN 24	BROWNING	10	6E	-	1	1	-	1	1	-	3	3	-	5	5	108	1
OLD BEN 24	BROWNING	10	6F	-	1	1	-	1	1	-	3	3	-	5	5	84	1
OLD BEN 24	BROWNING	10	6G	-	2	2	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	6H	-	2	2	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	7A	-	1	1	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 24	BROWNING	10	7B	-	2	2	-	1	1	-	6	6	-	5	5	13	6
OLD BEN 24	BROWNING	10	7C	-	2	2	-	1	1	-	6	6	-	5	5	108	1
OLD BEN 24	BROWNING	10	7D	-	2	2	-	1	1	-	6	6	-	5	5	108	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 24	BROWNING	10	7E	-	1	1	-	1	1	-	5	5	-	3	3	84	1
OLD BEN 24	BROWNING	10	7F	-	1	1	-	1	1	-	2	2	-	5	5	84	1
OLD BEN 24	BROWNING	10	7G	-	2	2	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	7H	-	2	2	-	1	1	-	5	5	-	1	1	382	1
OLD BEN 24	BROWNING	10	8A	-	1	1	-	1	1	-	6	6	-	5	5	108	1
OLD BEN 24	BROWNING	10	8B	-	2	2	-	1	1	-	6	6	-	5	5	84	1
OLD BEN 24	BROWNING	10	8C	-	2	2	-	1	1	-	6	6	-	5	5	108	1
OLD BEN 24	BROWNING	10	8D	-	2	2	-	1	1	-	6	6	-	5	5	84	1
OLD BEN 24	BROWNING	10	8E	-	1	1	-	1	1	-	5	5	-	3	3	84	1
OLD BEN 24	BROWNING	10	8F	-	1	1	-	1	1	-	2	2	-	5	5	84	1
OLD BEN 24	BROWNING	10	8G	-	2	2	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	10	8H	-	2	2	-	1	1	-	5	5	-	2	2	382	1
OLD BEN 24	BROWNING	11	1A	-	2	2	-	1	1	-	2	2	-	5	5	108	1
OLD BEN 24	BROWNING	11	1B	-	2	2	-	1	1	-	2	2	-	5	5	108	1
OLD BEN 24	BROWNING	11	1C	-	2	2	-	1	1	-	2	2	-	5	5	14	10
OLD BEN 24	BROWNING	11	1D	-	2	2	-	1	1	-	5	5	-	2	2	14	10
OLD BEN 24	BROWNING	11	1E	-	2	2	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 24	BROWNING	11	1F	-	2	2	-	1	1	-	5	5	-	1	1	13	10
OLD BEN 24	BROWNING	11	1G	-	4	4	-	1	1	-	3	3	-	5	5	14	10
OLD BEN 24	BROWNING	11	1H	-	2	2	-	1	1	-	2	2	-	5	5	14	10
OLD BEN 24	BROWNING	11	2A	-	2	2	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	11	2B	-	2	2	-	1	1	-	5	5	-	1	1	382	1
OLD BEN 24	BROWNING	11	2C	-	2	2	-	1	1	-	5	5	-	1	1	14	10
OLD BEN 24	BROWNING	11	2D	-	2	2	-	1	1	-	5	5	-	1	1	14	10
OLD BEN 24	BROWNING	11	2E	-	2	2	-	1	1	-	2	2	-	5	5	13	10
OLD BEN 24	BROWNING	11	2F	-	1	1	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 24	BROWNING	11	2G	-	4	4	-	1	1	-	3	3	-	5	5	14	10
OLD BEN 24	BROWNING	11	2H	-	2	2	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 24	BROWNING	11	3A	-	2	2	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	11	3B	-	4	4	-	1	3	-	5	5	-	4	4	382	1
OLD BEN 24	BROWNING	11	3C	-	2	2	-	1	1	-	5	5	-	4	4	14	10
OLD BEN 24	BROWNING	11	3D	-	2	2	-	1	1	-	5	5	-	4	4	14	10
OLD BEN 24	BROWNING	11	3E	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 24	BROWNING	11	3F	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 24	BROWNING	11	3G	-	4	4	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 24	BROWNING	11	3H	-	4	4	-	1	1	-	5	5	-	2	2	13	6
OLD BEN 24	BROWNING	11	4A	-	2	2	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	11	4B	-	2	2	-	3	3	-	5	5	-	4	4	382	1
OLD BEN 24	BROWNING	11	4C	-	2	2	-	1	1	-	5	5	-	4	4	14	10
OLD BEN 24	BROWNING	11	4D	-	2	2	-	1	1	-	5	5	-	4	4	14	10
OLD BEN 24	BROWNING	11	4E	-	1	1	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 24	BROWNING	11	4F	-	4	4	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 24	BROWNING	11	4G	-	4	4	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 24	BROWNING	11	4H	-	4	4	-	1	1	-	2	2	-	5	5	12	3
OLD BEN 24	BROWNING	11	5A	-	2	2	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	11	5B	-	1	1	-	1	2	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	11	5C	-	2	2	-	1	1	-	5	5	-	4	4	14	10
OLD BEN 24	BROWNING	11	5D	-	2	1	-	1	1	-	5	5	-	4	4	13	10
OLD BEN 24	BROWNING	11	5E	-	4	4	-	1	1	-	5	5	-	4	4	13	3
OLD BEN 24	BROWNING	11	5F	-	4	4	-	1	1	-	5	5	-	2	2	14	6
OLD BEN 24	BROWNING	11	5G	-	4	4	-	1	1	-	3	3	-	5	5	13	10
OLD BEN 24	BROWNING	11	5H	-	4	4	-	1	1	-	2	2	-	5	5	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 24	BROWNING	11	6A	-	2	2	-	1	1	-	5	5	-	3	3	108	1
OLD BEN 24	BROWNING	11	6B	-	2	2	-	1	1	-	5	5	-	3	3	13	1
OLD BEN 24	BROWNING	11	6C	-	2	2	-	1	1	-	5	5	-	4	4	13	10
OLD BEN 24	BROWNING	11	6D	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 24	BROWNING	11	6E	-	3	3	-	1	1	-	5	5	-	4	4	0	1
OLD BEN 24	BROWNING	11	6F	-	3	3	-	1	1	-	5	5	-	1	1	0	1
OLD BEN 24	BROWNING	11	6G	-	4	4	-	1	1	-	3	3	-	5	5	14	10
OLD BEN 24	BROWNING	11	6H	-	3	3	-	1	1	-	2	2	-	5	5	0	1
OLD BEN 24	BROWNING	11	7A	-	2	2	-	3	3	-	5	5	-	3	3	84	1
OLD BEN 24	BROWNING	11	7B	-	2	2	-	1	1	-	5	5	-	4	4	13	10
OLD BEN 24	BROWNING	11	7C	-	1	1	-	1	1	-	5	5	-	4	4	13	10
OLD BEN 24	BROWNING	11	7D	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 24	BROWNING	11	7E	-	3	3	-	1	1	-	5	5	-	4	4	0	1
OLD BEN 24	BROWNING	11	7F	-	4	4	-	1	1	-	5	5	-	1	1	13	10
OLD BEN 24	BROWNING	11	7G	-	4	4	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 24	BROWNING	11	7H	-	3	3	-	1	1	-	5	5	-	1	1	0	1
OLD BEN 24	BROWNING	11	8A	-	2	2	-	3	3	-	5	5	-	1	1	84	1
OLD BEN 24	BROWNING	11	8B	-	1	1	-	1	1	-	5	5	-	2	2	13	3
OLD BEN 24	BROWNING	11	8C	-	2	2	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 24	BROWNING	11	8D	-	4	4	-	1	1	-	5	5	-	1	1	14	6
OLD BEN 24	BROWNING	11	8E	-	2	2	-	1	1	-	5	5	-	1	1	14	10
OLD BEN 24	BROWNING	11	8F	-	4	4	-	1	1	-	5	5	-	1	1	13	10
OLD BEN 24	BROWNING	11	8G	-	4	4	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 24	BROWNING	11	8H	-	3	3	-	1	1	-	5	5	-	1	1	0	1
OLD BEN 24	BROWNING	12	1A	2	2	2	1	1	1	5	5	5	2	2	2	14	10
OLD BEN 24	BROWNING	12	1B	2	2	2	1	1	1	5	5	5	2	2	2	14	6
OLD BEN 24	BROWNING	12	1C	2	2	2	1	1	1	5	5	5	2	2	2	14	10
OLD BEN 24	BROWNING	12	1D	2	2	2	1	1	1	5	5	5	2	2	2	14	6
OLD BEN 24	BROWNING	12	1E	2	2	2	1	1	1	5	5	5	2	2	2	14	10
OLD BEN 24	BROWNING	12	1F	2	2	2	1	1	1	5	5	5	2	2	2	14	10
OLD BEN 24	BROWNING	12	1G	2	2	2	1	1	1	5	5	5	2	2	2	14	10
OLD BEN 24	BROWNING	12	1H	2	2	2	1	1	1	5	5	5	2	2	2	14	10
OLD BEN 24	BROWNING	12	2A	2	2	2	1	1	1	5	5	5	1	1	1	13	10
OLD BEN 24	BROWNING	12	2B	2	2	2	1	1	1	5	5	5	4	4	4	14	10
OLD BEN 24	BROWNING	12	2C	2	2	2	1	1	1	5	5	5	4	4	4	14	10
OLD BEN 24	BROWNING	12	2D	2	2	2	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 24	BROWNING	12	2E	2	2	2	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 24	BROWNING	12	2F	2	2	2	1	1	1	5	5	5	4	4	4	14	10
OLD BEN 24	BROWNING	12	2G	2	2	2	1	1	1	5	5	5	3	3	3	72	1
OLD BEN 24	BROWNING	12	2H	2	2	2	1	1	1	5	5	5	4	4	4	14	10
OLD BEN 24	BROWNING	12	3A	1	1	1	2	1	1	5	5	5	1	1	1	13	6
OLD BEN 24	BROWNING	12	3B	2	2	2	1	1	1	5	5	5	1	1	1	14	10
OLD BEN 24	BROWNING	12	3C	2	2	2	1	1	1	5	5	5	1	1	1	13	10
OLD BEN 24	BROWNING	12	3D	2	2	2	1	1	1	5	5	5	1	1	1	14	10
OLD BEN 24	BROWNING	12	3E	2	2	2	1	1	1	5	5	5	1	1	1	13	6
OLD BEN 24	BROWNING	12	3F	1	1	1	1	1	1	5	5	5	1	1	1	14	3
OLD BEN 24	BROWNING	12	3G	1	1	1	1	1	1	5	5	5	1	1	1	14	6
OLD BEN 24	BROWNING	12	3H	2	2	2	1	1	1	5	5	5	2	2	2	14	10
OLD BEN 24	BROWNING	12	4A	1	1	1	3	2	2	3	3	3	5	5	5	13	3
OLD BEN 24	BROWNING	12	4B	2	2	2	1	1	1	3	3	3	5	5	5	13	10
OLD BEN 24	BROWNING	12	4C	2	2	2	1	1	1	3	3	3	5	5	5	14	10
OLD BEN 24	BROWNING	12	4D	2	2	2	1	1	1	3	3	3	5	5	5	14	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 24	BROWNING	12	4E	1	1	1	4	1	1	3	3	3	5	5	5	13	3
OLD BEN 24	BROWNING	12	4F	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 24	BROWNING	12	4G	1	1	1	1	1	1	3	3	3	5	5	5	14	6
OLD BEN 24	BROWNING	12	4H	1	1	1	1	1	1	3	3	3	5	5	5	14	6
OLD BEN 24	BROWNING	12	5A	2	2	2	1	1	1	2	2	2	5	5	5	13	1
OLD BEN 24	BROWNING	12	5B	2	2	2	1	1	1	2	2	2	5	5	5	12	3
OLD BEN 24	BROWNING	12	5C	2	2	2	3	2	2	3	3	3	5	5	5	13	6
OLD BEN 24	BROWNING	12	5D	2	2	2	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 24	BROWNING	12	5E	1	1	1	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 24	BROWNING	12	5F	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 24	BROWNING	12	5G	1	1	1	1	1	1	3	3	3	5	5	5	14	10
OLD BEN 24	BROWNING	12	5H	1	1	1	1	1	1	3	3	3	5	5	5	14	6
OLD BEN 24	BROWNING	12	6A	2	2	2	1	1	1	5	5	5	2	2	2	13	3
OLD BEN 24	BROWNING	12	6B	2	2	2	1	1	1	5	5	5	2	2	2	12	3
OLD BEN 24	BROWNING	12	6C	2	2	2	1	1	1	5	5	5	2	2	2	13	3
OLD BEN 24	BROWNING	12	6D	1	1	1	1	1	1	5	5	5	2	2	2	13	3
OLD BEN 24	BROWNING	12	6E	1	1	1	3	2	2	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	12	6F	1	1	1	1	1	1	5	5	5	3	3	3	12	1
OLD BEN 24	BROWNING	12	6G	1	1	1	1	1	1	5	5	5	2	2	2	14	10
OLD BEN 24	BROWNING	12	6H	1	1	1	1	1	1	5	5	5	2	2	2	13	10
OLD BEN 24	BROWNING	12	7A	1	1	1	1	1	1	5	5	5	2	2	2	13	3
OLD BEN 24	BROWNING	12	7B	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	12	7C	1	1	1	1	1	1	5	5	5	1	1	1	13	3
OLD BEN 24	BROWNING	12	7D	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	12	7E	1	1	1	3	2	2	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	12	7F	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	12	7G	1	1	1	1	2	1	5	5	5	1	1	1	13	3
OLD BEN 24	BROWNING	12	7H	1	1	1	1	1	1	5	5	5	1	1	1	13	3
OLD BEN 24	BROWNING	12	8A	1	1	1	1	1	1	5	5	5	3	3	3	12	1
OLD BEN 24	BROWNING	12	8B	1	1	1	3	1	2	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	12	8C	1	1	1	3	3	1	5	5	5	3	3	3	12	1
OLD BEN 24	BROWNING	12	8D	1	1	1	1	1	1	5	5	5	3	3	3	12	1
OLD BEN 24	BROWNING	12	8E	1	1	1	1	1	1	5	5	5	3	3	3	12	1
OLD BEN 24	BROWNING	12	8F	1	1	1	3	1	1	5	5	5	3	3	3	2	1
OLD BEN 24	BROWNING	12	8G	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 24	BROWNING	12	8H	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 24	BROWNING	13	1A	1	1	1	1	1	1	5	5	5	1	1	1	13	6
OLD BEN 24	BROWNING	13	1B	1	1	1	2	2	1	5	5	5	1	1	1	12	3
OLD BEN 24	BROWNING	13	1C	1	1	1	2	2	1	5	5	5	1	1	1	13	3
OLD BEN 24	BROWNING	13	1D	1	1	1	2	1	2	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	13	1E	1	1	1	4	3	3	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	13	1F	1	1	1	3	1	2	5	5	5	3	3	3	2	1
OLD BEN 24	BROWNING	13	1G	1	1	1	3	1	3	5	5	5	3	3	3	2	1
OLD BEN 24	BROWNING	13	1H	1	1	1	1	1	2	5	5	5	3	3	3	2	1
OLD BEN 24	BROWNING	13	2A	2	2	2	1	1	1	5	5	5	3	3	3	14	1
OLD BEN 24	BROWNING	13	2B	1	1	1	1	1	1	5	5	5	4	4	4	14	3
OLD BEN 24	BROWNING	13	2C	1	1	1	2	2	2	5	5	5	4	4	4	13	3
OLD BEN 24	BROWNING	13	2D	1	1	1	1	1	1	5	5	5	4	4	4	13	6
OLD BEN 24	BROWNING	13	2E	1	1	1	2	1	1	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	13	2F	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	13	2G	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	13	2H	4	4	4	1	1	1	1	1	1	5	5	5	13	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 24	BROWNING	13	3A	1	1	1	2	1	1	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	13	3B	1	1	1	1	1	1	5	5	5	4	4	4	14	6
OLD BEN 24	BROWNING	13	3C	1	1	1	1	1	1	5	5	5	4	4	4	13	10
OLD BEN 24	BROWNING	13	3D	1	1	1	1	1	1	5	5	5	4	4	4	14	3
OLD BEN 24	BROWNING	13	3E	1	1	1	1	1	2	5	5	5	4	4	4	13	6
OLD BEN 24	BROWNING	13	3F	1	1	1	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 24	BROWNING	13	3G	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	13	3H	4	4	4	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 24	BROWNING	13	4A	1	1	1	1	1	1	5	5	5	4	4	4	14	6
OLD BEN 24	BROWNING	13	4B	2	2	2	1	1	1	5	5	5	4	4	4	14	6
OLD BEN 24	BROWNING	13	4C	1	1	1	1	1	1	5	5	5	4	4	4	14	6
OLD BEN 24	BROWNING	13	4D	1	1	1	1	1	1	5	5	5	4	4	4	14	3
OLD BEN 24	BROWNING	13	4E	1	1	1	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 24	BROWNING	13	4F	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	13	4G	4	4	4	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 24	BROWNING	13	4H	4	4	4	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 24	BROWNING	13	5A	1	1	1	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 24	BROWNING	13	5B	1	1	1	2	1	1	5	5	5	4	4	4	14	6
OLD BEN 24	BROWNING	13	5C	2	2	2	1	1	1	5	5	5	4	4	4	14	10
OLD BEN 24	BROWNING	13	5D	4	4	4	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 24	BROWNING	13	5E	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	13	5F	1	1	1	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	13	5G	4	4	4	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 24	BROWNING	13	5H	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 24	BROWNING	13	6A	1	1	1	1	1	1	5	5	5	4	4	4	14	6
OLD BEN 24	BROWNING	13	6B	1	1	1	1	1	1	5	5	5	4	4	4	13	6
OLD BEN 24	BROWNING	13	6C	1	1	1	2	3	2	5	5	5	4	4	4	13	3
OLD BEN 24	BROWNING	13	6D	4	4	4	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 24	BROWNING	13	6E	2	2	2	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	13	6F	4	4	4	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 24	BROWNING	13	6G	4	4	4	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 24	BROWNING	13	6H	4	4	4	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 24	BROWNING	13	7A	2	2	1	1	1	1	5	5	5	1	1	1	14	6
OLD BEN 24	BROWNING	13	7B	2	2	2	1	1	1	5	5	5	1	1	1	14	10
OLD BEN 24	BROWNING	13	7C	4	4	4	1	1	1	5	5	5	1	1	1	14	6
OLD BEN 24	BROWNING	13	7D	4	4	4	1	1	1	5	5	5	1	1	1	13	3
OLD BEN 24	BROWNING	13	7E	4	4	4	1	1	1	5	5	5	3	3	3	13	1
OLD BEN 24	BROWNING	13	7F	4	4	4	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 24	BROWNING	13	7G	4	4	4	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 24	BROWNING	13	7H	4	4	4	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 24	BROWNING	13	8A	4	4	4	1	1	1	3	3	3	5	5	5	14	3
OLD BEN 24	BROWNING	13	8B	4	4	4	1	1	1	3	3	3	5	5	5	14	10
OLD BEN 24	BROWNING	13	8C	4	4	4	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 24	BROWNING	13	8D	4	4	4	1	1	1	3	3	3	5	5	5	13	1
OLD BEN 24	BROWNING	13	8E	4	4	4	1	1	1	3	3	3	5	5	5	13	1
OLD BEN 24	BROWNING	13	8F	4	4	4	1	1	1	2	2	2	5	5	5	13	1
OLD BEN 24	BROWNING	13	8G	4	4	4	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 24	BROWNING	13	8H	4	4	4	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 24	BROWNING	14	1A	2	2	2	1	1	2	5	5	5	2	2	2	14	3
OLD BEN 24	BROWNING	14	1B	1	1	1	1	1	1	5	5	5	1	1	1	14	6
OLD BEN 24	BROWNING	14	1C	1	1	1	1	1	4	5	5	5	1	1	1	14	6
OLD BEN 24	BROWNING	14	1D	1	1	1	2	1	2	5	5	5	1	1	1	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 24	BROWNING	14	1E	1	1	1	4	1	1	5	5	5	1	1	1	13	6
OLD BEN 24	BROWNING	14	1F	1	1	1	1	1	1	5	5	5	1	1	1	13	6
OLD BEN 24	BROWNING	14	1G	4	4	4	1	1	1	5	5	5	1	1	1	14	3
OLD BEN 24	BROWNING	14	1H	3	3	3	1	1	1	5	5	5	4	4	4	0	1
OLD BEN 24	BROWNING	14	2A	2	2	2	1	1	1	5	5	5	1	1	1	14	10
OLD BEN 24	BROWNING	14	2B	1	1	1	1	1	1	5	5	5	2	2	2	13	6
OLD BEN 24	BROWNING	14	2C	1	1	1	1	1	1	5	5	5	1	1	1	13	6
OLD BEN 24	BROWNING	14	2D	1	1	1	1	1	1	5	5	5	1	1	1	13	3
OLD BEN 24	BROWNING	14	2E	1	1	1	1	1	1	5	5	5	1	1	1	14	10
OLD BEN 24	BROWNING	14	2F	1	1	1	1	1	1	5	5	5	1	1	1	14	10
OLD BEN 24	BROWNING	14	2G	4	4	4	1	1	1	5	5	5	4	4	4	13	6
OLD BEN 24	BROWNING	14	2H	4	4	4	1	1	1	5	5	5	4	4	4	13	6
OLD BEN 24	BROWNING	14	3A	2	2	2	1	1	1	5	5	5	4	4	4	14	10
OLD BEN 24	BROWNING	14	3B	2	2	2	1	1	3	5	5	5	3	3	3	72	1
OLD BEN 24	BROWNING	14	3C	2	2	2	1	1	1	5	5	5	3	3	3	72	1
OLD BEN 24	BROWNING	14	3D	2	2	2	1	1	1	5	5	5	4	4	4	14	10
OLD BEN 24	BROWNING	14	3E	1	1	1	1	1	1	5	5	5	4	4	4	14	6
OLD BEN 24	BROWNING	14	3F	1	1	1	1	1	1	5	5	5	4	4	4	14	10
OLD BEN 24	BROWNING	14	3G	4	4	4	1	1	1	5	5	5	4	4	4	13	6
OLD BEN 24	BROWNING	14	3H	1	1	1	1	1	1	5	5	5	4	4	4	13	6
OLD BEN 24	BROWNING	14	4A	2	2	2	1	1	1	5	5	5	4	4	4	14	10
OLD BEN 24	BROWNING	14	4B	2	2	2	1	1	1	5	5	5	4	4	4	14	6
OLD BEN 24	BROWNING	14	4C	2	2	2	1	1	1	5	5	5	4	4	4	13	6
OLD BEN 24	BROWNING	14	4D	1	1	1	1	1	1	5	5	5	4	4	4	14	6
OLD BEN 24	BROWNING	14	4E	2	2	2	1	1	1	5	5	5	4	4	4	14	10
OLD BEN 24	BROWNING	14	4F	2	2	2	1	1	1	5	5	5	4	4	4	14	6
OLD BEN 24	BROWNING	14	4G	1	1	1	1	1	1	5	5	5	4	4	4	14	10
OLD BEN 24	BROWNING	14	4H	2	2	2	1	1	1	5	5	5	4	4	4	14	6
OLD BEN 24	BROWNING	14	5A	2	2	2	1	1	1	3	3	3	5	5	5	14	10
OLD BEN 24	BROWNING	14	5B	1	1	1	1	1	1	5	5	5	4	4	4	14	6
OLD BEN 24	BROWNING	14	5C	1	1	1	1	1	1	3	3	3	5	5	5	13	10
OLD BEN 24	BROWNING	14	5D	1	1	1	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 24	BROWNING	14	5E	1	1	1	2	1	1	3	3	3	5	5	5	13	3
OLD BEN 24	BROWNING	14	5F	2	2	2	1	1	1	5	5	5	4	4	4	14	10
OLD BEN 24	BROWNING	14	5G	2	2	2	1	1	1	5	5	5	4	4	4	14	6
OLD BEN 24	BROWNING	14	5H	2	2	2	1	1	1	5	5	5	4	4	4	14	10
OLD BEN 24	BROWNING	14	6A	1	1	1	1	1	1	5	5	5	4	4	4	14	6
OLD BEN 24	BROWNING	14	6B	1	1	1	1	1	1	5	5	5	4	4	4	13	6
OLD BEN 24	BROWNING	14	6C	1	1	1	1	1	1	5	5	5	4	4	4	14	6
OLD BEN 24	BROWNING	14	6D	1	1	1	1	1	1	5	5	5	4	4	4	14	6
OLD BEN 24	BROWNING	14	6E	1	1	1	1	1	1	5	5	5	4	4	4	13	6
OLD BEN 24	BROWNING	14	6F	1	1	1	1	1	1	5	5	5	4	4	4	13	10
OLD BEN 24	BROWNING	14	6G	1	1	1	1	1	1	5	5	5	4	4	4	13	3
OLD BEN 24	BROWNING	14	6H	2	2	2	1	1	1	5	5	5	4	4	4	14	10
OLD BEN 24	BROWNING	14	7A	1	1	1	1	1	1	5	5	5	4	4	4	14	10
OLD BEN 24	BROWNING	14	7B	1	1	1	1	1	1	5	5	5	4	4	4	13	6
OLD BEN 24	BROWNING	14	7C	2	2	1	1	1	1	5	5	5	4	4	4	13	10
OLD BEN 24	BROWNING	14	7D	1	1	1	1	1	1	5	5	5	4	4	4	13	6
OLD BEN 24	BROWNING	14	7E	2	2	1	1	1	1	5	5	5	1	1	1	13	6
OLD BEN 24	BROWNING	14	7F	1	1	1	1	1	1	5	5	5	1	1	1	14	6
OLD BEN 24	BROWNING	14	7G	1	1	1	1	1	1	5	5	5	1	1	1	14	6
OLD BEN 24	BROWNING	14	7H	1	1	1	1	1	1	5	5	5	1	1	1	14	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 24	BROWNING	14	8A	1	1	1	1	1	1	5	5	5	1	1	1	13	6
OLD BEN 24	BROWNING	14	8B	1	1	1	1	1	1	5	5	5	1	1	1	13	10
OLD BEN 24	BROWNING	14	8C	1	1	1	1	1	1	5	5	5	1	1	1	13	6
OLD BEN 24	BROWNING	14	8D	1	1	1	1	1	1	5	5	5	1	1	1	13	3
OLD BEN 24	BROWNING	14	8E	1	1	1	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 24	BROWNING	14	8F	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 24	BROWNING	14	8G	4	4	4	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 24	BROWNING	14	8H	1	1	1	1	1	1	3	3	3	5	5	5	14	6
OLD BEN 25	CAVE	19	1A	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	19	1B	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	19	1C	2	2	2	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	CAVE	19	1D	2	2	2	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	CAVE	19	1E	1	1	1	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	CAVE	19	1F	1	1	1	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	CAVE	19	1G	3	3	3	1	1	1	1	1	1	5	5	5	0	1
OLD BEN 25	CAVE	19	1H	3	3	3	1	1	1	1	1	1	5	5	5	0	1
OLD BEN 25	CAVE	19	2A	1	1	1	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	CAVE	19	2B	1	1	1	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	CAVE	19	2C	2	2	2	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	CAVE	19	2D	1	1	1	1	1	1	1	1	1	5	5	5	14	3
OLD BEN 25	CAVE	19	2E	1	1	1	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	CAVE	19	2F	2	2	2	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	CAVE	19	2G	2	2	2	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	CAVE	19	2H	2	2	2	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	CAVE	19	3A	1	1	1	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	CAVE	19	3B	2	2	2	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	CAVE	19	3C	2	2	2	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	CAVE	19	3D	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	19	3E	2	2	2	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	CAVE	19	3F	2	2	2	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	CAVE	19	3G	2	2	2	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	CAVE	19	3H	1	1	1	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	CAVE	19	4A	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	19	4B	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	CAVE	19	4C	1	1	1	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	CAVE	19	4D	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	19	4E	2	2	2	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	CAVE	19	4F	2	2	2	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	19	4G	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	19	4H	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	19	5A	1	1	1	1	1	1	1	1	1	5	5	5	84	6
OLD BEN 25	CAVE	19	5B	1	1	1	1	1	1	3	3	3	5	5	5	13	10
OLD BEN 25	CAVE	19	5C	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	19	5D	2	2	2	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	CAVE	19	5E	2	2	2	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	CAVE	19	5F	2	2	2	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	19	5G	1	1	1	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	CAVE	19	5H	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	19	6A	2	2	2	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	CAVE	19	6B	2	2	2	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	CAVE	19	6C	4	4	4	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	CAVE	19	6D	1	1	1	1	1	1	1	1	1	5	5	5	13	10

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

	LOCATION			LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	CAVE	19	6E	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	19	6F	2	2	2	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	19	6G	2	2	2	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	CAVE	19	6H	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	19	7A	2	2	2	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	CAVE	19	7B	4	4	4	1	1	1	3	3	3	5	5	5	14	6
OLD BEN 25	CAVE	19	7C	2	2	2	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 25	CAVE	19	7D	2	2	2	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 25	CAVE	19	7E	1	1	1	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 25	CAVE	19	7F	2	2	2	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 25	CAVE	19	7G	1	1	1	1	1	1	2	2	2	5	5	5	13	10
OLD BEN 25	CAVE	19	7H	2	2	2	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 25	CAVE	19	8A	4	4	4	1	1	1	3	3	3	5	5	5	84	6
OLD BEN 25	CAVE	19	8B	3	3	3	1	1	1	3	3	3	5	5	5	0	1
OLD BEN 25	CAVE	19	8C	3	3	3	1	1	1	3	3	3	5	5	5	0	1
OLD BEN 25	CAVE	19	8D	2	2	2	1	1	1	3	3	3	5	5	5	14	3
OLD BEN 25	CAVE	19	8E	2	2	2	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	CAVE	19	8F	2	2	2	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	CAVE	19	8G	2	2	2	1	1	1	4	4	4	2	2	2	13	10
OLD BEN 25	CAVE	19	8H	2	2	2	2	1	1	4	4	4	2	2	2	13	10
OLD BEN 25	CAVE	20	1A	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	1B	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	1C	-	-	2	-	-	1	-	-	1	-	-	5	14	6
OLD BEN 25	CAVE	20	1D	-	-	2	-	-	1	-	-	1	-	-	5	13	10
OLD BEN 25	CAVE	20	1E	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 25	CAVE	20	1F	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 25	CAVE	20	1G	-	-	2	-	-	1	-	-	1	-	-	5	13	10
OLD BEN 25	CAVE	20	1H	-	-	1	-	-	1	-	-	1	-	-	5	14	10
OLD BEN 25	CAVE	20	2A	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	2B	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	2C	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	2D	-	-	1	-	-	1	-	-	1	-	-	5	13	10
OLD BEN 25	CAVE	20	2E	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	2F	-	-	2	-	-	1	-	-	1	-	-	5	14	10
OLD BEN 25	CAVE	20	2G	-	-	1	-	-	1	-	-	1	-	-	5	14	10
OLD BEN 25	CAVE	20	2H	-	-	1	-	-	1	-	-	1	-	-	5	14	10
OLD BEN 25	CAVE	20	3A	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 25	CAVE	20	3B	-	-	2	-	-	1	-	-	1	-	-	5	108	1
OLD BEN 25	CAVE	20	3C	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	3D	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	3E	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	3F	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	3G	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 25	CAVE	20	3H	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 25	CAVE	20	4A	-	-	1	-	-	1	-	-	1	-	-	5	14	10
OLD BEN 25	CAVE	20	4B	-	-	2	-	-	1	-	-	1	-	-	5	14	6
OLD BEN 25	CAVE	20	4C	-	-	2	-	-	1	-	-	1	-	-	5	14	3
OLD BEN 25	CAVE	20	4D	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	4E	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	4F	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	4G	-	-	2	-	-	1	-	-	1	-	-	5	14	10
OLD BEN 25	CAVE	20	4H	-	-	2	-	-	1	-	-	1	-	-	5	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	CAVE	20	5A	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 25	CAVE	20	5B	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 25	CAVE	20	5C	-	-	2	-	-	1	-	-	1	-	-	5	13	10
OLD BEN 25	CAVE	20	5D	-	-	2	-	-	1	-	-	1	-	-	5	14	6
OLD BEN 25	CAVE	20	5E	-	-	2	-	-	1	-	-	1	-	-	5	14	6
OLD BEN 25	CAVE	20	5F	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	5G	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	5H	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	6A	-	-	2	-	-	1	-	-	1	-	-	5	14	6
OLD BEN 25	CAVE	20	6B	-	-	2	-	-	1	-	-	1	-	-	5	14	10
OLD BEN 25	CAVE	20	6C	-	-	2	-	-	1	-	-	1	-	-	5	14	10
OLD BEN 25	CAVE	20	6D	-	-	2	-	-	1	-	-	1	-	-	5	13	10
OLD BEN 25	CAVE	20	6E	-	-	2	-	-	1	-	-	1	-	-	5	14	10
OLD BEN 25	CAVE	20	6F	-	-	2	-	-	1	-	-	1	-	-	5	13	10
OLD BEN 25	CAVE	20	6G	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	6H	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	7A	-	-	2	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 25	CAVE	20	7B	-	-	2	-	-	1	-	-	1	-	-	5	13	10
OLD BEN 25	CAVE	20	7C	-	-	2	-	-	1	-	-	1	-	-	5	14	6
OLD BEN 25	CAVE	20	7D	-	-	4	-	-	1	-	-	1	-	-	5	14	6
OLD BEN 25	CAVE	20	7E	-	-	4	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 25	CAVE	20	7F	-	-	2	-	-	1	-	-	1	-	-	5	14	10
OLD BEN 25	CAVE	20	7G	-	-	2	-	-	1	-	-	1	-	-	5	13	10
OLD BEN 25	CAVE	20	7H	-	-	1	-	-	1	-	-	1	-	-	5	13	10
OLD BEN 25	CAVE	20	8A	-	-	1	-	-	1	-	-	4	-	-	2	14	6
OLD BEN 25	CAVE	20	8B	-	-	2	-	-	1	-	-	4	-	-	2	13	10
OLD BEN 25	CAVE	20	8C	-	-	2	-	-	1	-	-	1	-	-	5	14	3
OLD BEN 25	CAVE	20	8D	-	-	1	-	-	2	-	-	1	-	-	5	13	3
OLD BEN 25	CAVE	20	8E	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 25	CAVE	20	8F	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	20	8G	-	-	2	-	-	1	-	-	1	-	-	5	13	10
OLD BEN 25	CAVE	20	8H	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	CAVE	29	1A	1	-	1	1	-	2	3	-	3	5	-	5	13	3
OLD BEN 25	CAVE	29	1B	1	-	1	1	-	2	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	1C	1	-	1	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	1D	1	-	1	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	1E	1	-	1	1	-	1	1	-	1	5	-	5	14	3
OLD BEN 25	CAVE	29	1F	3	-	3	1	-	1	1	-	1	5	-	5	0	1
OLD BEN 25	CAVE	29	1G	1	-	1	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	1H	1	-	1	1	-	1	1	-	1	5	-	5	14	10
OLD BEN 25	CAVE	29	2A	1	-	1	1	-	2	3	-	3	5	-	5	72	1
OLD BEN 25	CAVE	29	2B	1	-	1	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	2C	1	-	1	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	2D	4	-	4	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	2E	1	-	1	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	2F	2	-	2	1	-	1	1	-	1	5	-	5	14	6
OLD BEN 25	CAVE	29	2G	1	-	1	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	2H	1	-	1	1	-	1	1	-	1	5	-	5	14	6
OLD BEN 25	CAVE	29	3A	1	-	1	1	-	1	3	-	3	5	-	5	13	6
OLD BEN 25	CAVE	29	3B	1	-	1	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	3C	1	-	1	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	3D	1	-	1	1	-	1	1	-	1	5	-	5	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	CAVE	29	3E	2	-	2	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	3F	2	-	2	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	3G	2	-	2	1	-	2	1	-	1	5	-	5	13	10
OLD BEN 25	CAVE	29	3H	1	-	1	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	4A	1	-	1	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	4B	1	-	1	1	-	1	1	-	1	5	-	5	14	6
OLD BEN 25	CAVE	29	4C	1	-	1	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	4D	1	-	1	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	4E	2	-	2	1	-	1	1	-	1	5	-	5	14	6
OLD BEN 25	CAVE	29	4F	2	-	2	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	4G	1	-	1	1	-	1	1	-	1	5	-	5	13	10
OLD BEN 25	CAVE	29	4H	1	-	1	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	5A	1	-	1	1	-	1	1	-	1	5	-	5	14	6
OLD BEN 25	CAVE	29	5B	1	-	1	1	-	1	1	-	1	5	-	5	13	10
OLD BEN 25	CAVE	29	5C	2	-	2	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	5D	2	-	2	1	-	1	1	-	1	5	-	5	14	3
OLD BEN 25	CAVE	29	5E	1	-	1	1	-	1	1	-	1	5	-	5	14	6
OLD BEN 25	CAVE	29	5F	1	-	1	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	5G	1	-	1	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	5H	2	-	2	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	6A	2	-	2	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	6B	1	-	1	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	6C	1	-	1	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	6D	1	-	1	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	6E	1	-	1	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	6F	1	-	1	1	-	1	1	-	1	5	-	5	13	1
OLD BEN 25	CAVE	29	6G	1	-	1	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	6H	1	-	1	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	7A	1	-	1	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	7B	1	-	1	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	7C	1	-	1	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	7D	1	-	1	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	7E	3	-	3	1	-	1	1	-	1	5	-	5	0	1
OLD BEN 25	CAVE	29	7F	1	-	1	1	-	1	1	-	1	5	-	5	14	6
OLD BEN 25	CAVE	29	7G	1	-	1	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	7H	1	-	1	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	8A	1	-	1	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	8B	1	-	1	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	8C	4	-	4	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	29	8D	2	-	2	1	-	1	1	-	1	5	-	5	14	3
OLD BEN 25	CAVE	29	8E	3	-	3	1	-	1	1	-	1	5	-	5	0	1
OLD BEN 25	CAVE	29	8F	1	-	1	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	8G	1	-	1	1	-	1	1	-	1	5	-	5	13	3
OLD BEN 25	CAVE	29	8H	1	-	1	1	-	1	1	-	1	5	-	5	13	6
OLD BEN 25	CAVE	30	1A	3	3	3	1	1	1	3	3	3	5	5	5	0	1
OLD BEN 25	CAVE	30	1B	3	3	3	1	1	1	3	3	3	5	5	5	0	1
OLD BEN 25	CAVE	30	1C	3	3	3	1	1	1	4	4	4	3	3	3	0	1
OLD BEN 25	CAVE	30	1D	3	3	3	1	1	1	4	4	4	3	3	3	0	1
OLD BEN 25	CAVE	30	1E	3	3	3	1	1	1	4	4	4	3	3	3	0	1
OLD BEN 25	CAVE	30	1F	3	3	3	1	1	1	4	4	4	3	3	3	0	1
OLD BEN 25	CAVE	30	1G	3	3	3	1	1	1	4	4	4	3	3	3	0	1
OLD BEN 25	CAVE	30	1H	2	2	2	1	1	2	4	4	4	2	2	2	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	CAVE	30	2A	3	3	3	1	1	1	3	3	3	5	5	5	0	1
OLD BEN 25	CAVE	30	2B	2	2	2	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 25	CAVE	30	2C	3	3	3	1	1	1	2	2	2	5	5	5	0	1
OLD BEN 25	CAVE	30	2D	3	3	3	1	1	1	2	2	2	5	5	5	0	1
OLD BEN 25	CAVE	30	2E	2	2	2	1	1	1	2	2	2	5	5	5	14	6
OLD BEN 25	CAVE	30	2F	2	2	2	1	1	1	2	2	2	5	5	5	13	10
OLD BEN 25	CAVE	30	2G	2	2	2	1	1	1	4	4	4	1	1	1	14	10
OLD BEN 25	CAVE	30	2H	2	2	2	1	1	2	4	4	4	3	3	3	72	1
OLD BEN 25	CAVE	30	3A	2	2	2	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	CAVE	30	3B	2	2	2	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	CAVE	30	3C	2	2	2	1	1	1	3	3	3	5	5	5	13	1
OLD BEN 25	CAVE	30	3D	3	3	3	1	1	1	3	3	3	5	5	5	0	1
OLD BEN 25	CAVE	30	3E	2	2	2	1	1	1	3	3	3	5	5	5	382	1
OLD BEN 25	CAVE	30	3F	2	2	2	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 25	CAVE	30	3G	1	1	1	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 25	CAVE	30	3H	1	1	1	1	1	1	2	2	2	5	5	5	14	6
OLD BEN 25	CAVE	30	4A	2	2	2	1	1	1	3	3	3	5	5	5	14	10
OLD BEN 25	CAVE	30	4B	2	2	2	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	CAVE	30	4C	2	2	2	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	CAVE	30	4D	3	3	3	1	1	1	3	3	3	5	5	5	0	1
OLD BEN 25	CAVE	30	4E	3	3	3	1	1	1	3	3	3	5	5	5	0	1
OLD BEN 25	CAVE	30	4F	2	2	2	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	CAVE	30	4G	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	CAVE	30	4H	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	CAVE	30	5A	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	CAVE	30	5B	1	1	1	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	CAVE	30	5C	2	2	2	1	1	1	1	1	1	5	5	5	72	1
OLD BEN 25	CAVE	30	5D	2	2	2	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	CAVE	30	5E	3	3	3	1	1	1	1	1	1	5	5	5	0	1
OLD BEN 25	CAVE	30	5F	2	2	2	1	1	1	1	1	1	5	5	5	84	6
OLD BEN 25	CAVE	30	5G	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	CAVE	30	5H	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	30	6A	1	1	1	1	1	1	3	3	3	5	5	5	14	3
OLD BEN 25	CAVE	30	6B	1	1	1	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	CAVE	30	6C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	CAVE	30	6D	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	CAVE	30	6E	3	3	3	1	1	1	1	1	1	5	5	5	0	1
OLD BEN 25	CAVE	30	6F	3	3	3	1	1	1	1	1	1	5	5	5	0	1
OLD BEN 25	CAVE	30	6G	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	CAVE	30	6H	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	CAVE	30	7A	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	30	7B	1	1	1	1	1	1	3	3	3	5	5	5	14	6
OLD BEN 25	CAVE	30	7C	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	CAVE	30	7D	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	CAVE	30	7E	4	4	4	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	CAVE	30	7F	1	1	1	1	1	1	1	1	1	5	5	5	382	1
OLD BEN 25	CAVE	30	7G	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	30	7H	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	CAVE	30	8A	2	2	2	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	CAVE	30	8B	1	1	1	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	CAVE	30	8C	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	CAVE	30	8D	1	1	1	1	1	1	1	1	1	5	5	5	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	CAVE	30	8E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	CAVE	30	8F	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	CAVE	30	8G	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	CAVE	30	8H	1	1	1	1	1	1	1	1	1	5	5	5	72	1
OLD BEN 25	CAVE	31	1A	1	-	-	1	-	-	1	-	-	5	-	-	13	10
OLD BEN 25	CAVE	31	1B	1	-	-	1	-	-	1	-	-	5	-	-	14	6
OLD BEN 25	CAVE	31	1C	1	-	-	1	-	-	1	-	-	5	-	-	13	10
OLD BEN 25	CAVE	31	1D	3	-	-	1	-	-	1	-	-	5	-	-	0	1
OLD BEN 25	CAVE	31	1E	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	1F	2	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	1G	1	-	-	1	-	-	1	-	-	5	-	-	14	6
OLD BEN 25	CAVE	31	1H	1	-	-	1	-	-	1	-	-	5	-	-	72	1
OLD BEN 25	CAVE	31	2A	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	2B	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	2C	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	2D	1	-	-	1	-	-	1	-	-	5	-	-	14	10
OLD BEN 25	CAVE	31	2E	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	2F	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	2G	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	2H	2	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	3A	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	3B	2	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	3C	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	3D	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	3E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	3F	1	-	-	1	-	-	1	-	-	5	-	-	13	10
OLD BEN 25	CAVE	31	3G	2	-	-	1	-	-	1	-	-	5	-	-	14	6
OLD BEN 25	CAVE	31	3H	1	-	-	1	-	-	1	-	-	5	-	-	14	3
OLD BEN 25	CAVE	31	4A	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	4B	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	4C	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	4D	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	4E	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	4F	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	4G	2	-	-	1	-	-	1	-	-	5	-	-	13	10
OLD BEN 25	CAVE	31	4H	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	5A	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	5B	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	5C	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	5D	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	5E	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	5F	1	-	-	1	-	-	1	-	-	5	-	-	13	10
OLD BEN 25	CAVE	31	5G	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	5H	1	-	-	1	-	-	1	-	-	5	-	-	14	10
OLD BEN 25	CAVE	31	6A	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	6B	2	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	6C	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	6D	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	6E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	6F	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	6G	1	-	-	1	-	-	1	-	-	5	-	-	14	6
OLD BEN 25	CAVE	31	6H	1	-	-	1	-	-	1	-	-	5	-	-	13	10

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	CAVE	31	7A	2	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	7B	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	7C	2	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	7D	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	7E	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	7F	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	7G	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	7H	1	-	-	1	-	-	1	-	-	5	-	-	14	6
OLD BEN 25	CAVE	31	8A	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	8B	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	8C	2	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	8D	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	8E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
OLD BEN 25	CAVE	31	8F	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	8G	1	-	-	1	-	-	1	-	-	5	-	-	13	6
OLD BEN 25	CAVE	31	8H	1	-	-	1	-	-	1	-	-	5	-	-	14	10
OLD BEN 25	FRANKFORT	15	1A	-	-	1	-	-	1	-	-	6	-	-	5	109	3
OLD BEN 25	FRANKFORT	15	1B	-	-	1	-	-	2	-	-	6	-	-	5	109	1
OLD BEN 25	FRANKFORT	15	1C	-	-	1	-	-	1	-	-	6	-	-	5	109	1
OLD BEN 25	FRANKFORT	15	1D	-	-	1	-	-	1	-	-	6	-	-	5	109	1
OLD BEN 25	FRANKFORT	15	1E	-	-	1	-	-	1	-	-	6	-	-	5	109	3
OLD BEN 25	FRANKFORT	15	1F	-	-	1	-	-	1	-	-	6	-	-	5	382	1
OLD BEN 25	FRANKFORT	15	1G	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	15	1H	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	15	2A	-	-	1	-	-	1	-	-	6	-	-	5	109	3
OLD BEN 25	FRANKFORT	15	2B	-	-	1	-	-	1	-	-	6	-	-	5	109	1
OLD BEN 25	FRANKFORT	15	2C	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	15	2D	-	-	2	-	-	1	-	-	6	-	-	5	109	3
OLD BEN 25	FRANKFORT	15	2E	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	15	2F	-	-	1	-	-	1	-	-	6	-	-	5	108	1
OLD BEN 25	FRANKFORT	15	2G	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	15	2H	-	-	1	-	-	3	-	-	6	-	-	5	382	1
OLD BEN 25	FRANKFORT	15	3A	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	15	3B	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	15	3C	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	15	3D	-	-	1	-	-	1	-	-	6	-	-	5	109	1
OLD BEN 25	FRANKFORT	15	3E	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	15	3F	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	15	3G	-	-	1	-	-	1	-	-	6	-	-	5	108	1
OLD BEN 25	FRANKFORT	15	3H	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	15	4A	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	15	4B	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	15	4C	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	15	4D	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	15	4E	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	15	4F	-	-	1	-	-	1	-	-	6	-	-	5	13	6
OLD BEN 25	FRANKFORT	15	4G	-	-	1	-	-	1	-	-	6	-	-	5	13	6
OLD BEN 25	FRANKFORT	15	4H	-	-	2	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	15	5A	-	-	2	-	-	1	-	-	6	-	-	5	13	6
OLD BEN 25	FRANKFORT	15	5B	-	-	1	-	-	1	-	-	6	-	-	5	13	6
OLD BEN 25	FRANKFORT	15	5C	-	-	1	-	-	1	-	-	6	-	-	5	13	6
OLD BEN 25	FRANKFORT	15	5D	-	-	1	-	-	1	-	-	6	-	-	5	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	FRANKFORT	15	5E	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	15	5F	-	-	1	-	-	1	-	-	1	-	-	5	382	1
OLD BEN 25	FRANKFORT	15	5G	-	-	2	-	-	1	-	-	1	-	-	5	382	1
OLD BEN 25	FRANKFORT	15	5H	-	-	2	-	-	1	-	-	1	-	-	5	108	1
OLD BEN 25	FRANKFORT	15	6A	-	-	2	-	-	1	-	-	6	-	-	5	382	1
OLD BEN 25	FRANKFORT	15	6B	-	-	1	-	-	1	-	-	6	-	-	5	13	10
OLD BEN 25	FRANKFORT	15	6C	-	-	3	-	-	1	-	-	6	-	-	5	0	1
OLD BEN 25	FRANKFORT	15	6D	-	-	1	-	-	1	-	-	6	-	-	5	382	1
OLD BEN 25	FRANKFORT	15	6E	-	-	1	-	-	1	-	-	1	-	-	5	382	1
OLD BEN 25	FRANKFORT	15	6F	-	-	1	-	-	1	-	-	1	-	-	5	108	1
OLD BEN 25	FRANKFORT	15	6G	-	-	2	-	-	1	-	-	1	-	-	5	108	1
OLD BEN 25	FRANKFORT	15	6H	-	-	2	-	-	1	-	-	1	-	-	5	108	1
OLD BEN 25	FRANKFORT	15	7A	-	-	2	-	-	1	-	-	3	-	-	5	108	1
OLD BEN 25	FRANKFORT	15	7B	-	-	2	-	-	1	-	-	4	-	-	1	382	1
OLD BEN 25	FRANKFORT	15	7C	-	-	2	-	-	1	-	-	4	-	-	3	108	1
OLD BEN 25	FRANKFORT	15	7D	-	-	2	-	-	1	-	-	4	-	-	3	108	1
OLD BEN 25	FRANKFORT	15	7E	-	-	2	-	-	1	-	-	4	-	-	3	108	1
OLD BEN 25	FRANKFORT	15	7F	-	-	2	-	-	1	-	-	4	-	-	3	108	1
OLD BEN 25	FRANKFORT	15	7G	-	-	2	-	-	1	-	-	2	-	-	5	108	1
OLD BEN 25	FRANKFORT	15	7H	-	-	2	-	-	2	-	-	3	-	-	5	108	1
OLD BEN 25	FRANKFORT	15	8A	-	-	2	-	-	1	-	-	3	-	-	5	108	1
OLD BEN 25	FRANKFORT	15	8B	-	-	1	-	-	2	-	-	3	-	-	5	108	1
OLD BEN 25	FRANKFORT	15	8C	-	-	2	-	-	2	-	-	3	-	-	5	108	1
OLD BEN 25	FRANKFORT	15	8D	-	-	2	-	-	2	-	-	3	-	-	5	382	1
OLD BEN 25	FRANKFORT	15	8E	-	-	2	-	-	2	-	-	3	-	-	5	108	1
OLD BEN 25	FRANKFORT	15	8F	-	-	2	-	-	1	-	-	3	-	-	5	108	1
OLD BEN 25	FRANKFORT	15	8G	-	-	2	-	-	3	-	-	3	-	-	5	108	1
OLD BEN 25	FRANKFORT	15	8H	-	-	2	-	-	1	-	-	3	-	-	5	108	1
OLD BEN 25	FRANKFORT	21	1A	-	-	2	-	-	1	-	-	6	-	-	5	382	1
OLD BEN 25	FRANKFORT	21	1B	-	-	1	-	-	1	-	-	6	-	-	5	382	1
OLD BEN 25	FRANKFORT	21	1C	-	-	1	-	-	1	-	-	6	-	-	5	382	1
OLD BEN 25	FRANKFORT	21	1D	-	-	2	-	-	1	-	-	6	-	-	5	382	1
OLD BEN 25	FRANKFORT	21	1E	-	-	1	-	-	2	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	21	1F	-	-	2	-	-	1	-	-	6	-	-	5	12	3
OLD BEN 25	FRANKFORT	21	1G	-	-	2	-	-	1	-	-	1	-	-	5	108	1
OLD BEN 25	FRANKFORT	21	1H	-	-	2	-	-	4	-	-	3	-	-	5	108	1
OLD BEN 25	FRANKFORT	21	2A	-	-	2	-	-	1	-	-	6	-	-	5	382	1
OLD BEN 25	FRANKFORT	21	2B	-	-	2	-	-	1	-	-	6	-	-	5	382	1
OLD BEN 25	FRANKFORT	21	2C	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	21	2D	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	21	2E	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	21	2F	-	-	1	-	-	1	-	-	6	-	-	5	12	3
OLD BEN 25	FRANKFORT	21	2G	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 25	FRANKFORT	21	2H	-	-	2	-	-	4	-	-	4	-	-	1	382	1
OLD BEN 25	FRANKFORT	21	3A	-	-	2	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	21	3B	-	-	1	-	-	1	-	-	6	-	-	5	13	10
OLD BEN 25	FRANKFORT	21	3C	-	-	1	-	-	2	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	21	3D	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	21	3E	-	-	1	-	-	1	-	-	6	-	-	5	12	3
OLD BEN 25	FRANKFORT	21	3F	-	-	4	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	21	3G	-	-	4	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 25	FRANKFORT	21	3H	-	-	1	-	-	1	-	-	1	-	-	5	382	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	FRANKFORT	21	4A	-	-	2	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	21	4B	-	-	4	-	-	1	-	-	6	-	-	5	13	6
OLD BEN 25	FRANKFORT	21	4C	-	-	4	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	21	4D	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	21	4E	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	21	4F	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	21	4G	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	21	4H	-	-	1	-	-	1	-	-	1	-	-	5	72	1
OLD BEN 25	FRANKFORT	21	5A	-	-	4	-	-	1	-	-	6	-	-	5	72	1
OLD BEN 25	FRANKFORT	21	5B	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	21	5C	-	-	4	-	-	1	-	-	6	-	-	5	382	1
OLD BEN 25	FRANKFORT	21	5D	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	21	5E	-	-	4	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	21	5F	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	21	5G	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	21	5H	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	21	6A	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	21	6B	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	21	6C	-	-	4	-	-	1	-	-	6	-	-	5	72	1
OLD BEN 25	FRANKFORT	21	6D	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	21	6E	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	21	6F	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	21	6G	-	-	1	-	-	1	-	-	6	-	-	5	3	3
OLD BEN 25	FRANKFORT	21	6H	-	-	1	-	-	1	-	-	1	-	-	5	3	3
OLD BEN 25	FRANKFORT	21	7A	-	-	1	-	-	1	-	-	6	-	-	5	3	6
OLD BEN 25	FRANKFORT	21	7B	-	-	4	-	-	1	-	-	6	-	-	5	3	3
OLD BEN 25	FRANKFORT	21	7C	-	-	4	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	21	7D	-	-	4	-	-	1	-	-	6	-	-	5	72	1
OLD BEN 25	FRANKFORT	21	7E	-	-	1	-	-	1	-	-	6	-	-	5	72	1
OLD BEN 25	FRANKFORT	21	7F	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	21	7G	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	21	7H	-	-	1	-	-	1	-	-	1	-	-	5	2	1
OLD BEN 25	FRANKFORT	21	8A	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	21	8B	-	-	4	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	21	8C	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	21	8D	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	21	8E	-	-	4	-	-	1	-	-	6	-	-	5	72	1
OLD BEN 25	FRANKFORT	21	8F	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	21	8G	-	-	2	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	21	8H	-	-	1	-	-	1	-	-	1	-	-	5	13	1
OLD BEN 25	FRANKFORT	22	1A	2	2	2	1	1	4	3	3	3	5	5	5	382	1
OLD BEN 25	FRANKFORT	22	1B	2	2	2	1	1	2	3	3	3	5	5	5	382	1
OLD BEN 25	FRANKFORT	22	1C	2	2	2	1	2	2	3	3	3	5	5	5	382	1
OLD BEN 25	FRANKFORT	22	1D	1	1	1	1	2	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	22	1E	2	2	2	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	22	1F	2	2	2	1	1	1	3	3	3	5	5	5	382	1
OLD BEN 25	FRANKFORT	22	1G	1	1	1	3	1	1	3	3	3	5	5	5	382	1
OLD BEN 25	FRANKFORT	22	1H	1	1	1	1	2	2	3	3	3	5	5	5	382	1
OLD BEN 25	FRANKFORT	22	2A	2	2	2	4	4	4	4	4	4	3	3	3	382	1
OLD BEN 25	FRANKFORT	22	2B	2	2	2	4	4	2	4	4	4	3	3	3	382	1
OLD BEN 25	FRANKFORT	22	2C	1	1	1	2	2	2	4	4	4	3	3	3	382	1
OLD BEN 25	FRANKFORT	22	2D	1	1	1	2	3	2	4	4	4	3	3	3	72	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	FRANKFORT	22	2E	1	1	1	2	2	2	4	4	4	3	3	3	12	1
OLD BEN 25	FRANKFORT	22	2F	1	1	1	1	2	2	4	4	4	3	3	3	13	1
OLD BEN 25	FRANKFORT	22	2G	1	1	1	1	1	1	4	4	4	3	3	3	13	1
OLD BEN 25	FRANKFORT	22	2H	1	1	1	1	1	1	3	3	3	5	5	5	382	1
OLD BEN 25	FRANKFORT	22	3A	1	1	1	1	1	2	2	2	2	5	5	5	382	1
OLD BEN 25	FRANKFORT	22	3B	1	1	1	1	1	1	2	2	2	5	5	5	382	1
OLD BEN 25	FRANKFORT	22	3C	1	1	1	1	1	1	2	2	2	5	5	5	13	1
OLD BEN 25	FRANKFORT	22	3D	1	1	1	1	1	1	2	2	2	5	5	5	13	1
OLD BEN 25	FRANKFORT	22	3E	1	1	1	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 25	FRANKFORT	22	3F	1	1	1	1	1	1	2	2	2	5	5	5	2	1
OLD BEN 25	FRANKFORT	22	3G	1	1	1	1	1	1	2	2	2	5	5	5	2	1
OLD BEN 25	FRANKFORT	22	3H	1	1	1	1	1	1	3	3	3	5	5	5	13	1
OLD BEN 25	FRANKFORT	22	4A	1	1	1	1	1	1	2	2	2	5	5	5	13	1
OLD BEN 25	FRANKFORT	22	4B	1	1	1	1	1	1	2	2	2	5	5	5	13	1
OLD BEN 25	FRANKFORT	22	4C	1	1	1	1	1	1	2	2	2	5	5	5	2	1
OLD BEN 25	FRANKFORT	22	4D	1	1	1	1	1	1	2	2	2	5	5	5	3	3
OLD BEN 25	FRANKFORT	22	4E	1	1	1	1	1	1	2	2	2	5	5	5	3	6
OLD BEN 25	FRANKFORT	22	4F	1	1	1	1	1	1	2	2	2	5	5	5	2	1
OLD BEN 25	FRANKFORT	22	4G	1	1	1	1	1	1	2	2	2	5	5	5	2	1
OLD BEN 25	FRANKFORT	22	4H	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	22	5A	1	1	1	1	1	1	2	2	2	5	5	5	13	1
OLD BEN 25	FRANKFORT	22	5B	1	1	1	1	1	2	4	4	4	3	3	3	13	1
OLD BEN 25	FRANKFORT	22	5C	1	1	1	3	1	2	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	22	5D	1	1	1	2	1	2	4	4	4	2	2	2	3	3
OLD BEN 25	FRANKFORT	22	5E	1	1	1	2	1	3	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	22	5F	1	1	1	3	3	1	4	4	4	2	2	2	3	3
OLD BEN 25	FRANKFORT	22	5G	1	1	1	1	1	1	4	4	4	2	2	2	3	3
OLD BEN 25	FRANKFORT	22	5H	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	22	6A	1	1	1	3	1	1	4	4	4	3	3	3	13	1
OLD BEN 25	FRANKFORT	22	6B	2	2	2	1	1	1	4	4	4	3	3	3	13	1
OLD BEN 25	FRANKFORT	22	6C	1	1	4	2	1	1	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	22	6D	1	1	1	2	1	1	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	22	6E	1	1	1	2	1	1	4	4	4	2	2	2	3	3
OLD BEN 25	FRANKFORT	22	6F	1	1	1	1	1	1	4	4	4	2	2	2	3	6
OLD BEN 25	FRANKFORT	22	6G	1	1	1	1	1	1	4	4	4	2	2	2	3	3
OLD BEN 25	FRANKFORT	22	6H	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	22	7A	1	1	1	1	1	1	2	2	2	5	5	5	3	3
OLD BEN 25	FRANKFORT	22	7B	1	1	1	2	1	1	4	4	4	3	3	3	13	1
OLD BEN 25	FRANKFORT	22	7C	1	1	1	1	1	2	4	4	4	3	3	3	13	1
OLD BEN 25	FRANKFORT	22	7D	1	1	1	2	1	2	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	22	7E	1	1	1	1	1	2	4	4	4	1	1	1	3	3
OLD BEN 25	FRANKFORT	22	7F	1	1	1	1	1	1	2	2	2	5	5	5	3	3
OLD BEN 25	FRANKFORT	22	7G	1	1	1	1	1	1	2	2	2	5	5	5	3	6
OLD BEN 25	FRANKFORT	22	7H	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	22	8A	4	4	4	1	1	1	2	2	2	5	5	5	2	1
OLD BEN 25	FRANKFORT	22	8B	1	1	1	1	1	1	2	2	2	5	5	5	2	1
OLD BEN 25	FRANKFORT	22	8C	1	1	1	1	1	1	2	2	2	5	5	5	2	1
OLD BEN 25	FRANKFORT	22	8D	1	1	1	1	1	1	2	2	2	5	5	5	3	3
OLD BEN 25	FRANKFORT	22	8E	1	1	1	1	1	1	2	2	2	5	5	5	3	3
OLD BEN 25	FRANKFORT	22	8F	1	1	1	1	1	1	2	2	2	5	5	5	3	6
OLD BEN 25	FRANKFORT	22	8G	1	1	1	1	1	1	2	2	2	5	5	5	3	3
OLD BEN 25	FRANKFORT	22	8H	1	1	1	1	1	1	3	3	3	5	5	5	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	FRANKFORT	23	1A	2	2	2	1	1	1	1	1	3	5	5	5	382	1
OLD BEN 25	FRANKFORT	23	1B	2	2	2	1	1	2	1	1	3	5	5	5	382	1
OLD BEN 25	FRANKFORT	23	1C	1	1	1	1	1	1	1	1	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	23	1D	1	1	1	1	1	1	1	1	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	23	1E	2	2	2	1	1	1	1	1	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	23	1F	2	2	2	1	1	1	1	1	3	5	5	5	14	10
OLD BEN 25	FRANKFORT	23	1G	2	2	2	1	1	1	1	1	3	5	5	5	14	10
OLD BEN 25	FRANKFORT	23	1H	1	1	1	1	1	1	1	1	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	23	2A	1	1	1	1	1	1	1	1	1	5	5	5	382	1
OLD BEN 25	FRANKFORT	23	2B	1	1	1	1	1	1	1	1	1	5	5	5	382	1
OLD BEN 25	FRANKFORT	23	2C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	23	2D	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	23	2E	2	2	2	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	23	2F	4	4	4	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	FRANKFORT	23	2G	3	3	3	1	1	1	1	1	1	5	5	5	0	1
OLD BEN 25	FRANKFORT	23	2H	2	2	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	23	3A	1	1	1	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 25	FRANKFORT	23	3B	1	1	1	1	1	1	4	4	4	2	2	2	84	3
OLD BEN 25	FRANKFORT	23	3C	1	1	1	2	1	1	4	4	4	2	2	2	13	3
OLD BEN 25	FRANKFORT	23	3D	1	1	1	2	1	1	4	4	4	1	1	1	13	6
OLD BEN 25	FRANKFORT	23	3E	2	2	2	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	FRANKFORT	23	3F	1	1	1	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	FRANKFORT	23	3G	2	2	2	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	23	3H	2	2	2	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	FRANKFORT	23	4A	1	1	1	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 25	FRANKFORT	23	4B	1	1	1	1	2	2	4	4	4	3	3	3	72	1
OLD BEN 25	FRANKFORT	23	4C	1	1	1	1	1	1	4	4	4	1	1	1	13	3
OLD BEN 25	FRANKFORT	23	4D	1	1	1	1	1	1	4	4	4	1	1	1	14	6
OLD BEN 25	FRANKFORT	23	4E	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	23	4F	2	2	2	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	23	4G	2	2	2	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	23	4H	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	23	5A	1	1	1	1	3	3	2	2	2	5	5	5	13	3
OLD BEN 25	FRANKFORT	23	5B	1	1	1	1	1	1	4	4	4	2	2	2	13	3
OLD BEN 25	FRANKFORT	23	5C	2	2	2	1	1	1	4	4	4	2	2	2	84	6
OLD BEN 25	FRANKFORT	23	5D	1	1	1	1	1	1	4	4	4	2	2	2	13	6
OLD BEN 25	FRANKFORT	23	5E	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	23	5F	4	4	4	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	FRANKFORT	23	5G	2	2	2	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	FRANKFORT	23	5H	2	2	2	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	FRANKFORT	23	6A	1	1	1	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 25	FRANKFORT	23	6B	1	1	1	1	1	1	4	4	4	2	2	2	13	6
OLD BEN 25	FRANKFORT	23	6C	2	2	2	1	1	1	4	4	4	1	1	1	84	6
OLD BEN 25	FRANKFORT	23	6D	2	2	2	1	1	1	4	4	4	1	1	1	14	6
OLD BEN 25	FRANKFORT	23	6E	2	2	2	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	FRANKFORT	23	6F	2	2	2	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	FRANKFORT	23	6G	1	1	1	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	FRANKFORT	23	6H	1	1	1	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	FRANKFORT	23	7A	1	1	1	1	2	1	2	2	2	5	5	5	13	3
OLD BEN 25	FRANKFORT	23	7B	1	1	1	1	1	1	4	4	4	1	1	1	13	3
OLD BEN 25	FRANKFORT	23	7C	1	1	1	1	1	1	4	4	4	2	2	2	13	6
OLD BEN 25	FRANKFORT	23	7D	1	1	1	1	1	1	4	4	4	1	1	1	84	3

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LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	FRANKFORT	23	7E	2	2	2	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	FRANKFORT	23	7F	1	1	1	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	FRANKFORT	23	7G	1	1	1	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	FRANKFORT	23	7H	2	2	2	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	FRANKFORT	23	8A	2	2	2	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 25	FRANKFORT	23	8B	1	1	1	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 25	FRANKFORT	23	8C	1	1	1	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 25	FRANKFORT	23	8D	2	2	2	1	1	1	2	2	2	5	5	5	14	6
OLD BEN 25	FRANKFORT	23	8E	2	2	2	1	1	1	1	1	3	5	5	5	14	10
OLD BEN 25	FRANKFORT	23	8F	2	2	2	1	1	1	1	1	3	5	5	5	14	10
OLD BEN 25	FRANKFORT	23	8G	2	2	2	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	FRANKFORT	23	8H	2	2	2	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	1A	1	1	1	1	1	1	1	1	1	5	5	5	72	1
OLD BEN 25	FRANKFORT	24	1B	1	1	1	1	1	1	1	1	1	5	5	5	72	1
OLD BEN 25	FRANKFORT	24	1C	1	1	1	1	1	1	1	1	1	5	5	5	72	1
OLD BEN 25	FRANKFORT	24	1D	2	2	2	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	24	1E	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	24	1F	1	1	1	1	1	1	1	1	1	5	5	5	382	1
OLD BEN 25	FRANKFORT	24	1G	2	2	2	1	1	1	1	1	1	5	5	5	382	1
OLD BEN 25	FRANKFORT	24	1H	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	2A	2	2	2	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	24	2B	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	24	2C	1	1	1	1	1	1	1	1	1	5	5	5	72	1
OLD BEN 25	FRANKFORT	24	2D	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	24	2E	2	2	2	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	24	2F	1	1	1	1	1	1	1	1	1	5	5	5	3	6
OLD BEN 25	FRANKFORT	24	2G	2	2	2	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	24	2H	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	3A	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	3B	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	24	3C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	24	3D	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	24	3E	1	1	1	1	1	2	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	24	3F	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	24	3G	2	2	2	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	FRANKFORT	24	3H	2	2	2	1	1	1	1	1	1	5	5	5	84	3
OLD BEN 25	FRANKFORT	24	4A	3	3	3	1	1	1	1	1	1	5	5	5	0	1
OLD BEN 25	FRANKFORT	24	4B	3	3	3	1	1	1	1	1	1	5	5	5	0	1
OLD BEN 25	FRANKFORT	24	4C	3	3	4	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	4D	4	4	4	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	4E	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	4F	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	4G	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	24	4H	2	2	2	1	1	1	1	1	1	5	5	5	382	1
OLD BEN 25	FRANKFORT	24	5A	3	3	3	1	1	1	1	1	1	5	5	5	0	1
OLD BEN 25	FRANKFORT	24	5B	3	3	4	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	5C	3	3	4	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	24	5D	4	3	4	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	5E	1	1	1	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	FRANKFORT	24	5F	1	1	1	1	1	1	4	4	4	2	2	2	13	6
OLD BEN 25	FRANKFORT	24	5G	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	5H	1	1	1	1	1	1	1	1	1	5	5	5	382	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	FRANKFORT	24	6A	3	3	4	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	24	6B	4	4	4	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	6C	3	3	4	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	6D	4	4	4	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	FRANKFORT	24	6E	1	1	1	1	2	1	2	2	2	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	6F	1	1	1	1	2	1	4	4	4	2	2	2	13	3
OLD BEN 25	FRANKFORT	24	6G	1	1	1	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	FRANKFORT	24	6H	1	1	1	1	1	1	1	1	1	5	5	5	382	1
OLD BEN 25	FRANKFORT	24	7A	3	3	4	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	FRANKFORT	24	7B	4	4	4	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	24	7C	4	3	4	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	FRANKFORT	24	7D	2	2	2	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	FRANKFORT	24	7E	1	1	1	3	2	1	2	2	2	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	7F	1	1	1	1	1	1	4	4	4	2	2	2	13	6
OLD BEN 25	FRANKFORT	24	7G	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	7H	1	1	1	1	1	1	1	1	1	5	5	5	382	1
OLD BEN 25	FRANKFORT	24	8A	3	3	4	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	8B	3	3	4	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	FRANKFORT	24	8C	4	4	4	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	FRANKFORT	24	8D	2	2	2	1	1	1	1	1	1	5	5	5	14	10
OLD BEN 25	FRANKFORT	24	8E	1	1	1	3	2	1	2	2	2	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	8F	2	2	2	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 25	FRANKFORT	24	8G	1	1	1	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	FRANKFORT	24	8H	1	1	1	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	FRANKFORT	25	1A	4	4	4	1	1	1	3	3	3	5	5	5	13	10
OLD BEN 25	FRANKFORT	25	1B	2	4	4	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	1C	4	4	4	1	1	1	3	3	3	5	5	5	13	10
OLD BEN 25	FRANKFORT	25	1D	4	4	4	1	1	1	3	3	3	5	5	5	14	10
OLD BEN 25	FRANKFORT	25	1E	4	4	4	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	1F	4	4	4	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	25	1G	4	4	4	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	25	1H	4	4	4	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	2A	2	4	3	1	1	1	4	4	4	1	1	1	13	6
OLD BEN 25	FRANKFORT	25	2B	4	4	3	1	1	1	2	2	2	5	5	5	14	6
OLD BEN 25	FRANKFORT	25	2C	2	4	3	1	1	1	4	4	4	1	1	1	14	6
OLD BEN 25	FRANKFORT	25	2D	2	4	3	1	1	1	2	2	2	5	5	5	84	6
OLD BEN 25	FRANKFORT	25	2E	4	4	4	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 25	FRANKFORT	25	2F	4	4	4	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	2G	1	1	1	1	1	1	3	3	3	5	5	5	13	10
OLD BEN 25	FRANKFORT	25	2H	2	2	2	1	1	1	3	3	3	5	5	5	14	10
OLD BEN 25	FRANKFORT	25	3A	4	4	4	1	1	1	4	4	4	1	1	1	13	6
OLD BEN 25	FRANKFORT	25	3B	2	4	4	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 25	FRANKFORT	25	3C	2	4	3	1	1	1	4	4	4	2	2	2	14	10
OLD BEN 25	FRANKFORT	25	3D	1	4	3	1	1	1	2	2	2	5	5	5	84	6
OLD BEN 25	FRANKFORT	25	3E	1	4	4	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	3F	4	4	4	1	1	1	4	4	4	1	1	1	13	6
OLD BEN 25	FRANKFORT	25	3G	1	1	1	1	1	2	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	3H	1	1	1	1	1	1	3	3	3	5	5	5	14	6
OLD BEN 25	FRANKFORT	25	4A	1	4	4	1	1	1	4	4	4	2	2	2	13	10
OLD BEN 25	FRANKFORT	25	4B	1	4	4	1	1	1	2	2	2	5	5	5	14	10
OLD BEN 25	FRANKFORT	25	4C	2	4	4	1	1	1	4	4	4	1	1	1	84	6
OLD BEN 25	FRANKFORT	25	4D	1	4	3	1	1	1	2	2	2	5	5	5	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	FRANKFORT	25	4E	1	1	4	1	1	1	2	2	2	5	5	5	14	6
OLD BEN 25	FRANKFORT	25	4F	1	1	1	1	1	1	4	4	4	1	1	1	13	10
OLD BEN 25	FRANKFORT	25	4G	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	4H	1	1	2	1	1	1	3	3	3	5	5	5	13	10
OLD BEN 25	FRANKFORT	25	5A	4	4	4	1	1	1	2	2	2	5	5	5	14	6
OLD BEN 25	FRANKFORT	25	5B	1	1	1	1	1	1	2	2	2	5	5	5	13	10
OLD BEN 25	FRANKFORT	25	5C	1	1	1	1	1	1	4	4	4	1	1	1	13	10
OLD BEN 25	FRANKFORT	25	5D	1	1	1	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	5E	2	2	2	1	1	1	2	2	2	5	5	5	14	6
OLD BEN 25	FRANKFORT	25	5F	1	1	1	1	2	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	5G	3	3	3	1	1	1	3	3	3	5	5	5	0	1
OLD BEN 25	FRANKFORT	25	5H	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	6A	1	1	1	1	1	1	3	3	3	5	5	5	13	10
OLD BEN 25	FRANKFORT	25	6B	1	1	1	1	1	2	4	4	4	1	1	1	13	10
OLD BEN 25	FRANKFORT	25	6C	1	1	1	2	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	6D	3	3	3	1	1	1	1	1	1	5	5	5	0	1
OLD BEN 25	FRANKFORT	25	6E	1	1	1	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	FRANKFORT	25	6F	4	4	4	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	6G	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	6H	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	7A	1	1	1	1	2	1	3	3	3	5	5	5	14	6
OLD BEN 25	FRANKFORT	25	7B	1	1	1	1	1	1	4	4	4	1	1	1	13	6
OLD BEN 25	FRANKFORT	25	7C	1	1	1	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	FRANKFORT	25	7D	1	1	1	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	FRANKFORT	25	7E	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	7F	2	2	2	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	7G	1	1	1	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	FRANKFORT	25	7H	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	8A	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	8B	2	2	2	1	1	1	4	4	4	1	1	1	13	6
OLD BEN 25	FRANKFORT	25	8C	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	8D	1	1	1	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	FRANKFORT	25	8E	1	1	1	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	FRANKFORT	25	8F	2	2	2	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	8G	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	8H	1	1	1	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	FRANKFORT	26	1A	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	26	1B	1	1	1	1	1	1	3	3	3	5	5	5	14	6
OLD BEN 25	FRANKFORT	26	1C	4	4	4	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	26	1D	4	4	4	1	1	1	3	3	3	5	5	5	14	10
OLD BEN 25	FRANKFORT	26	1E	1	1	1	1	1	1	3	3	3	5	5	5	13	10
OLD BEN 25	FRANKFORT	26	1F	2	2	2	1	1	1	3	3	3	5	5	5	14	10
OLD BEN 25	FRANKFORT	26	1G	1	1	1	1	1	1	3	3	3	5	5	5	13	10
OLD BEN 25	FRANKFORT	26	1H	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	26	2A	1	1	1	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 25	FRANKFORT	26	2B	1	1	1	1	1	2	2	2	2	5	5	5	13	6
OLD BEN 25	FRANKFORT	26	2C	1	1	1	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 25	FRANKFORT	26	2D	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	26	2E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	26	2F	2	2	2	1	1	1	4	4	4	1	1	1	13	6
OLD BEN 25	FRANKFORT	26	2G	1	1	1	1	1	1	4	4	4	2	2	2	13	6
OLD BEN 25	FRANKFORT	26	2H	1	1	1	1	1	1	4	4	4	1	1	1	14	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	FRANKFORT	26	3A	1	1	1	2	2	2	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	26	3B	1	1	1	2	2	2	4	4	4	1	1	1	13	3
OLD BEN 25	FRANKFORT	26	3C	1	1	1	2	2	2	4	4	4	1	1	1	13	6
OLD BEN 25	FRANKFORT	25	3D	1	1	1	2	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	26	3E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	3F	2	2	2	1	1	1	4	4	4	2	2	2	13	6
OLD BEN 25	FRANKFORT	25	3G	1	1	1	1	1	1	4	4	4	2	2	2	14	6
OLD BEN 25	FRANKFORT	25	3H	2	2	4	1	1	2	4	4	4	2	2	2	13	3
OLD BEN 25	FRANKFORT	25	4A	1	1	1	2	1	2	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	25	4B	1	1	1	1	1	2	4	4	4	2	2	2	3	3
OLD BEN 25	FRANKFORT	25	4C	1	1	1	1	1	2	2	2	2	5	5	5	13	3
OLD BEN 25	FRANKFORT	25	4D	4	4	4	1	1	2	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	26	4E	1	1	1	1	1	1	3	3	3	5	5	5	13	10
OLD BEN 25	FRANKFORT	25	4F	1	1	1	1	1	2	4	4	4	2	2	2	13	3
OLD BEN 25	FRANKFORT	25	4G	1	1	1	1	1	1	4	4	4	2	2	2	13	6
OLD BEN 25	FRANKFORT	25	4H	1	1	1	1	1	1	4	4	4	1	1	1	13	3
OLD BEN 25	FRANKFORT	25	5A	1	1	1	3	2	2	4	4	4	1	1	1	3	3
OLD BEN 25	FRANKFORT	26	5B	1	1	1	3	2	2	4	4	4	1	1	1	3	3
OLD BEN 25	FRANKFORT	25	5C	1	1	1	3	2	2	4	4	4	1	1	1	3	3
OLD BEN 25	FRANKFORT	25	5D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	25	5E	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	25	5F	1	1	1	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 25	FRANKFORT	26	5G	1	1	1	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	5H	1	1	1	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 25	FRANKFORT	26	6A	1	1	1	1	1	1	2	2	2	5	5	5	13	1
OLD BEN 25	FRANKFORT	26	6B	2	2	2	1	1	1	3	3	3	5	5	5	13	1
OLD BEN 25	FRANKFORT	26	6C	1	1	1	1	1	1	3	3	3	5	5	5	3	3
OLD BEN 25	FRANKFORT	25	6D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	25	6E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	6F	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	6G	2	2	2	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	25	6H	2	2	2	1	1	1	2	2	2	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	7A	1	1	1	1	1	1	2	2	2	5	5	5	13	1
OLD BEN 25	FRANKFORT	26	7B	2	2	2	1	1	1	2	2	3	5	5	5	13	1
OLD BEN 25	FRANKFORT	26	7C	1	1	1	1	1	1	2	2	3	5	5	5	3	3
OLD BEN 25	FRANKFORT	25	7D	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	26	7E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	7F	1	1	1	1	1	1	3	3	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	25	7G	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	26	7H	4	4	4	1	1	1	4	4	4	1	1	1	13	6
OLD BEN 25	FRANKFORT	26	8A	1	1	1	1	1	1	2	2	2	5	5	5	2	1
OLD BEN 25	FRANKFORT	26	8B	4	4	4	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 25	FRANKFORT	26	8C	1	1	1	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 25	FRANKFORT	25	8D	1	1	1	1	1	1	1	1	3	5	5	5	13	6
OLD BEN 25	FRANKFORT	26	8E	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	25	8F	1	1	1	4	1	2	4	4	4	1	1	1	13	3
OLD BEN 25	FRANKFORT	26	8G	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	26	8H	1	1	1	1	1	1	4	4	4	1	1	1	13	6
OLD BEN 25	FRANKFORT	27	1A	1	1	1	1	1	2	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	27	1B	4	4	4	1	1	1	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	27	1C	4	4	4	1	1	1	2	2	2	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	1D	1	1	1	1	1	1	3	3	3	5	5	5	13	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	FRANKFORT	27	1E	1	1	1	1	1	1	3	3	3	5	5	5	3	3
OLD BEN 25	FRANKFORT	27	1F	1	1	1	1	1	1	3	3	3	5	5	5	3	3
OLD BEN 25	FRANKFORT	27	1G	1	1	1	1	1	1	3	3	3	5	5	5	3	3
OLD BEN 25	FRANKFORT	27	1H	1	1	3	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	2A	1	1	1	1	2	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	2B	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	2C	1	1	1	2	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	2D	4	4	4	2	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	2E	2	2	2	1	1	1	2	2	2	5	5	5	13	1
OLD BEN 25	FRANKFORT	27	2F	2	2	2	1	1	2	2	2	2	5	5	5	13	1
OLD BEN 25	FRANKFORT	27	2G	1	1	1	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 25	FRANKFORT	27	2H	2	2	2	1	1	1	2	2	2	5	5	5	13	3
OLD BEN 25	FRANKFORT	27	3A	1	1	1	1	1	1	3	3	3	5	5	5	13	1
OLD BEN 25	FRANKFORT	27	3B	1	1	1	1	1	1	3	3	3	5	5	5	13	1
OLD BEN 25	FRANKFORT	27	3C	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	3D	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	3E	1	1	1	3	1	2	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	27	3F	1	1	1	2	1	2	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	27	3G	2	2	2	1	1	2	4	4	4	1	1	1	3	3
OLD BEN 25	FRANKFORT	27	3H	1	1	1	1	2	2	4	4	4	1	1	1	3	3
OLD BEN 25	FRANKFORT	27	4A	1	1	1	1	2	2	2	4	4	5	1	1	2	1
OLD BEN 25	FRANKFORT	27	4B	1	1	1	1	4	3	2	4	4	5	1	1	2	1
OLD BEN 25	FRANKFORT	27	4C	1	1	1	1	1	3	2	2	4	5	5	3	2	1
OLD BEN 25	FRANKFORT	27	4D	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	4E	1	1	1	3	1	1	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	27	4F	1	1	1	2	2	2	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	27	4G	1	1	1	1	2	2	4	4	4	1	1	1	3	3
OLD BEN 25	FRANKFORT	27	4H	1	1	1	1	2	2	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	27	5A	1	1	1	1	1	1	3	3	3	5	5	5	13	1
OLD BEN 25	FRANKFORT	27	5B	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	5C	1	1	1	1	1	1	2	2	2	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	5D	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	5E	1	1	1	3	2	1	2	2	2	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	5F	1	1	1	3	2	2	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	27	5G	1	1	1	2	2	2	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	27	5H	1	1	1	2	2	2	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	27	6A	1	1	1	1	1	1	3	3	3	5	5	5	13	1
OLD BEN 25	FRANKFORT	27	6B	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	6C	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	6D	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	6E	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	6F	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	6G	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	6H	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	7A	2	2	2	1	4	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	7B	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	7C	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	7D	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	7E	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	7F	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	7G	1	1	1	2	2	2	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	7H	1	1	1	2	3	2	3	3	3	5	5	5	2	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	FRANKFORT	27	8A	1	1	1	1	2	3	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	8B	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	8C	2	2	2	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	8D	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	8E	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	8F	1	1	1	1	1	1	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	8G	1	1	1	2	3	3	3	3	3	5	5	5	2	1
OLD BEN 25	FRANKFORT	27	8H	1	1	1	1	1	1	3	3	3	5	5	5	13	1
OLD BEN 25	FRANKFORT	28	1A	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	1B	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	1C	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	28	1D	-	-	1	-	-	1	-	-	6	-	-	5	13	6
OLD BEN 25	FRANKFORT	28	1E	-	-	1	-	-	1	-	-	6	-	-	5	3	3
OLD BEN 25	FRANKFORT	28	1F	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	28	1G	-	-	1	-	-	1	-	-	2	-	-	5	13	6
OLD BEN 25	FRANKFORT	28	1H	-	-	1	-	-	1	-	-	2	-	-	5	13	3
OLD BEN 25	FRANKFORT	28	2A	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	2B	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	28	2C	-	-	1	-	-	1	-	-	6	-	-	5	13	6
OLD BEN 25	FRANKFORT	28	2D	-	-	1	-	-	1	-	-	6	-	-	5	13	6
OLD BEN 25	FRANKFORT	28	2E	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	2F	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	2G	-	-	1	-	-	1	-	-	2	-	-	5	3	3
OLD BEN 25	FRANKFORT	28	2H	-	-	1	-	-	1	-	-	3	-	-	5	13	1
OLD BEN 25	FRANKFORT	28	3A	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	28	3B	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	28	3C	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	28	3D	-	-	1	-	-	1	-	-	6	-	-	5	13	6
OLD BEN 25	FRANKFORT	28	3E	-	-	1	-	-	1	-	-	6	-	-	5	3	3
OLD BEN 25	FRANKFORT	28	3F	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	3G	-	-	1	-	-	1	-	-	2	-	-	5	3	3
OLD BEN 25	FRANKFORT	28	3H	-	-	4	-	-	1	-	-	3	-	-	5	13	1
OLD BEN 25	FRANKFORT	28	4A	-	-	4	-	-	1	-	-	6	-	-	5	109	1
OLD BEN 25	FRANKFORT	28	4B	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	4C	-	-	1	-	-	1	-	-	6	-	-	5	3	3
OLD BEN 25	FRANKFORT	28	4D	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	28	4E	-	-	1	-	-	1	-	-	6	-	-	5	3	3
OLD BEN 25	FRANKFORT	28	4F	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	4G	-	-	1	-	-	1	-	-	2	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	4H	-	-	3	-	-	2	-	-	4	-	-	3	0	1
OLD BEN 25	FRANKFORT	28	5A	-	-	4	-	-	1	-	-	6	-	-	5	109	1
OLD BEN 25	FRANKFORT	28	5B	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	5C	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	5D	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	5E	-	-	4	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	5F	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	5G	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	5H	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	6A	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	28	6B	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	28	6C	-	-	1	-	-	1	-	-	6	-	-	5	14	1
OLD BEN 25	FRANKFORT	28	6D	-	-	1	-	-	1	-	-	6	-	-	5	13	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	FRANKFORT	28	6E	-	-	1	-	-	1	-	-	6	-	-	5	14	1
OLD BEN 25	FRANKFORT	28	6F	-	-	1	-	-	1	-	-	6	-	-	5	14	1
OLD BEN 25	FRANKFORT	28	6G	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	6H	-	-	1	-	-	1	-	-	6	-	-	5	13	10
OLD BEN 25	FRANKFORT	28	7A	-	-	2	-	-	1	-	-	6	-	-	5	3	3
OLD BEN 25	FRANKFORT	28	7B	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	28	7C	-	-	1	-	-	1	-	-	6	-	-	5	13	10
OLD BEN 25	FRANKFORT	28	7D	-	-	1	-	-	1	-	-	6	-	-	5	13	3
OLD BEN 25	FRANKFORT	28	7E	-	-	1	-	-	1	-	-	6	-	-	5	13	6
OLD BEN 25	FRANKFORT	28	7F	-	-	1	-	-	1	-	-	6	-	-	5	13	6
OLD BEN 25	FRANKFORT	28	7G	-	-	1	-	-	1	-	-	6	-	-	5	3	3
OLD BEN 25	FRANKFORT	28	7H	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	28	8A	-	-	3	-	-	1	-	-	6	-	-	5	0	1
OLD BEN 25	FRANKFORT	28	8B	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	28	8C	-	-	1	-	-	1	-	-	6	-	-	5	13	1
OLD BEN 25	FRANKFORT	28	8D	-	-	1	-	-	1	-	-	6	-	-	5	3	3
OLD BEN 25	FRANKFORT	28	8E	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	8F	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	8G	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	28	8H	-	-	1	-	-	1	-	-	6	-	-	5	2	1
OLD BEN 25	FRANKFORT	35	1A	1	1	1	1	1	1	6	6	6	5	5	5	2	1
OLD BEN 25	FRANKFORT	35	1B	1	1	1	1	1	1	1	1	1	5	5	5	3	3
OLD BEN 25	FRANKFORT	35	1C	1	1	1	1	1	1	1	1	2	5	5	5	2	1
OLD BEN 25	FRANKFORT	35	1D	1	1	1	1	1	1	1	1	3	5	5	5	3	3
OLD BEN 25	FRANKFORT	35	1E	2	2	2	1	1	1	1	1	4	5	5	3	13	1
OLD BEN 25	FRANKFORT	35	1F	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	35	1G	1	1	1	1	1	1	4	4	4	1	1	1	13	3
OLD BEN 25	FRANKFORT	35	1H	1	1	1	2	1	1	4	4	4	1	1	1	13	3
OLD BEN 25	FRANKFORT	35	2A	1	1	1	1	1	1	6	6	6	5	5	5	2	1
OLD BEN 25	FRANKFORT	35	2B	1	1	1	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 25	FRANKFORT	35	2C	1	1	1	1	1	1	1	1	2	5	5	5	2	1
OLD BEN 25	FRANKFORT	35	2D	1	1	1	1	1	1	1	1	3	5	5	5	13	1
OLD BEN 25	FRANKFORT	35	2E	2	2	2	1	1	1	1	1	4	5	5	3	13	1
OLD BEN 25	FRANKFORT	35	2F	2	2	2	1	1	1	3	3	3	5	5	5	13	1
OLD BEN 25	FRANKFORT	35	2G	1	1	1	1	1	1	4	4	4	1	1	1	13	3
OLD BEN 25	FRANKFORT	35	2H	1	1	1	3	1	1	4	4	4	1	1	1	13	6
OLD BEN 25	FRANKFORT	35	3A	1	1	1	1	1	2	6	6	6	5	5	5	2	1
OLD BEN 25	FRANKFORT	35	3B	1	1	1	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 25	FRANKFORT	35	3C	1	1	1	1	1	1	1	1	2	5	5	5	13	1
OLD BEN 25	FRANKFORT	35	3D	1	1	1	1	1	1	1	1	3	5	5	5	13	1
OLD BEN 25	FRANKFORT	35	3E	1	1	1	1	1	1	1	1	4	5	5	3	13	1
OLD BEN 25	FRANKFORT	35	3F	1	1	1	1	1	1	3	3	3	5	5	5	13	1
OLD BEN 25	FRANKFORT	35	3G	1	1	1	2	1	1	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	35	3H	1	1	1	2	1	1	4	4	4	1	1	1	13	3
OLD BEN 25	FRANKFORT	35	4A	1	1	1	1	1	1	2	2	2	5	5	5	2	1
OLD BEN 25	FRANKFORT	35	4B	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	35	4C	1	1	1	1	1	2	1	1	2	5	5	5	13	1
OLD BEN 25	FRANKFORT	35	4D	1	1	1	1	1	1	1	1	3	5	5	5	13	1
OLD BEN 25	FRANKFORT	35	4E	1	1	1	1	1	1	1	1	4	5	5	3	13	1
OLD BEN 25	FRANKFORT	35	4F	1	1	1	1	1	1	3	3	3	5	5	5	13	1
OLD BEN 25	FRANKFORT	35	4G	1	1	1	2	1	1	4	4	4	3	3	3	2	1
OLD BEN 25	FRANKFORT	35	4H	1	1	1	1	1	1	4	4	4	1	1	1	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	FRANKFORT	35	5A	1	1	1	1	1	1	6	6	6	5	5	5	2	1
OLD BEN 25	FRANKFORT	35	5B	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	35	5C	1	1	1	1	1	2	1	1	2	5	5	5	13	1
OLD BEN 25	FRANKFORT	35	5D	1	1	1	1	1	1	1	1	3	5	5	5	13	1
OLD BEN 25	FRANKFORT	35	5E	1	1	1	1	1	2	1	1	4	5	5	3	13	1
OLD BEN 25	FRANKFORT	35	5F	1	1	1	1	1	1	1	1	2	5	5	5	13	1
OLD BEN 25	FRANKFORT	35	5G	1	1	1	1	1	1	1	1	2	5	5	5	2	1
OLD BEN 25	FRANKFORT	35	5H	1	1	1	1	1	1	2	2	2	5	5	5	2	1
OLD BEN 25	FRANKFORT	35	6A	1	1	1	1	1	1	6	6	6	5	5	5	13	1
OLD BEN 25	FRANKFORT	35	6B	1	1	1	1	1	1	1	1	1	5	5	5	382	1
OLD BEN 25	FRANKFORT	35	6C	1	1	1	1	1	1	1	1	2	5	5	5	382	1
OLD BEN 25	FRANKFORT	35	6D	1	1	1	1	1	1	1	1	3	5	5	5	382	1
OLD BEN 25	FRANKFORT	35	6E	1	1	1	1	1	2	1	1	4	5	5	3	13	1
OLD BEN 25	FRANKFORT	35	6F	1	1	1	1	1	1	1	1	1	5	5	5	382	1
OLD BEN 25	FRANKFORT	35	6G	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	35	6H	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	35	7A	1	1	1	1	2	2	6	6	6	5	5	5	382	1
OLD BEN 25	FRANKFORT	35	7B	2	2	2	1	1	1	1	1	1	5	5	5	382	1
OLD BEN 25	FRANKFORT	35	7C	1	1	1	1	1	4	1	1	4	5	5	3	382	1
OLD BEN 25	FRANKFORT	35	7D	2	2	2	1	1	1	1	1	3	5	5	5	382	1
OLD BEN 25	FRANKFORT	35	7E	1	1	1	1	1	2	1	1	4	5	5	3	382	1
OLD BEN 25	FRANKFORT	35	7F	1	1	1	1	1	1	1	1	1	5	5	5	382	1
OLD BEN 25	FRANKFORT	35	7G	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	35	7H	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	35	8A	1	1	1	1	1	3	6	6	6	5	5	5	382	1
OLD BEN 25	FRANKFORT	35	8B	1	1	1	1	1	1	6	6	6	5	5	5	382	1
OLD BEN 25	FRANKFORT	35	8C	2	2	2	1	1	1	1	1	4	5	5	3	382	1
OLD BEN 25	FRANKFORT	35	8D	1	1	1	1	1	1	1	1	3	5	5	5	382	1
OLD BEN 25	FRANKFORT	35	8E	2	2	2	1	1	1	1	1	1	5	5	5	382	1
OLD BEN 25	FRANKFORT	35	8F	1	1	1	1	1	1	1	1	1	5	5	5	382	1
OLD BEN 25	FRANKFORT	35	8G	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	35	8H	1	1	1	1	1	1	1	1	1	5	5	5	382	1
OLD BEN 25	FRANKFORT	36	1A	2	2	2	3	2	1	2	2	2	5	5	5	13	3
OLD BEN 25	FRANKFORT	36	1B	1	1	1	1	1	1	4	4	4	1	1	1	13	6
OLD BEN 25	FRANKFORT	36	1C	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	36	1D	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	36	1E	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	36	1F	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	36	1G	1	1	1	1	1	1	1	1	1	5	5	5	13	10
OLD BEN 25	FRANKFORT	36	1H	4	4	4	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	36	2A	1	1	1	1	1	1	3	3	3	5	5	5	13	3
OLD BEN 25	FRANKFORT	36	2B	1	1	1	1	1	1	4	4	4	1	1	1	13	6
OLD BEN 25	FRANKFORT	36	2C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	36	2D	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	36	2E	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	36	2F	2	2	2	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	36	2G	1	1	1	1	1	1	1	1	1	5	5	5	14	6
OLD BEN 25	FRANKFORT	36	2H	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	36	3A	1	1	1	1	1	1	2	2	2	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	3B	1	1	1	2	1	1	4	4	4	1	1	1	13	6
OLD BEN 25	FRANKFORT	36	3C	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	36	3D	1	1	1	1	1	1	1	1	1	5	5	5	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 25	FRANKFORT	36	3E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	36	3F	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	36	3G	2	2	2	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	36	3H	2	2	2	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	36	4A	1	1	1	3	2	1	5	5	5	3	3	3	13	1
OLD BEN 25	FRANKFORT	36	4B	1	1	1	2	1	1	4	4	4	3	3	3	13	1
OLD BEN 25	FRANKFORT	36	4C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	36	4D	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	36	4E	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	36	4F	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	36	4G	2	2	2	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	36	4H	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	36	5A	1	1	1	1	1	1	5	5	5	3	3	3	2	1
OLD BEN 25	FRANKFORT	36	5B	1	1	1	1	1	1	4	4	4	3	3	3	13	1
OLD BEN 25	FRANKFORT	36	5C	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	5D	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	5E	1	1	1	1	1	1	1	1	1	5	5	5	14	1
OLD BEN 25	FRANKFORT	36	5F	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	5G	1	1	1	1	1	1	1	1	1	5	5	5	13	6
OLD BEN 25	FRANKFORT	36	5H	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	36	6A	1	1	1	1	1	1	1	1	1	5	5	5	2	1
OLD BEN 25	FRANKFORT	36	6B	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	6C	1	1	1	1	1	2	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	6D	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	6E	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	6F	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	36	6G	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	36	6H	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 25	FRANKFORT	36	7A	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	7B	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	7C	1	1	1	1	1	2	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	7D	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	7E	3	3	3	1	1	1	1	1	1	5	5	5	0	1
OLD BEN 25	FRANKFORT	36	7F	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	7G	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	7H	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	8A	1	1	1	1	1	1	1	1	1	5	5	5	382	1
OLD BEN 25	FRANKFORT	36	8B	1	1	1	1	3	2	1	1	1	5	5	5	382	1
OLD BEN 25	FRANKFORT	36	8C	1	1	1	1	1	2	1	1	1	5	5	5	382	1
OLD BEN 25	FRANKFORT	36	8D	1	1	1	1	1	2	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	8E	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	8F	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	8G	1	1	1	1	1	1	1	1	1	5	5	5	13	1
OLD BEN 25	FRANKFORT	36	8H	1	1	1	1	1	1	1	1	1	5	5	5	13	3
OLD BEN 26	BARREN	21	1A	-	-	2	-	-	2	-	-	6	-	-	5	13	6
OLD BEN 26	BARREN	21	1B	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	BARREN	21	1C	-	-	1	-	-	1	-	-	1	-	-	5	14	3
OLD BEN 26	BARREN	21	1D	-	-	2	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	BARREN	21	1E	-	-	1	-	-	1	-	-	1	-	-	5	14	10

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 26	BARREN	21	1F	-	-	1	-	-	2	-	-	1	-	-	5	13	3
OLD BEN 26	BARREN	21	1G	-	-	4	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	BARREN	21	1H	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 26	BARREN	21	2A	-	-	4	-	-	1	-	-	1	-	-	5	13	1
OLD BEN 26	BARREN	21	2B	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	BARREN	21	2C	-	-	1	-	-	1	-	-	5	-	-	1	13	6
OLD BEN 26	BARREN	21	2D	-	-	1	-	-	1	-	-	5	-	-	3	13	1
OLD BEN 26	BARREN	21	2E	-	-	1	-	-	1	-	-	5	-	-	2	13	3
OLD BEN 26	BARREN	21	2F	-	-	2	-	-	1	-	-	5	-	-	2	13	10
OLD BEN 26	BARREN	21	2G	-	-	3	-	-	1	-	-	5	-	-	3	0	1
OLD BEN 26	BARREN	21	2H	-	-	3	-	-	1	-	-	5	-	-	3	0	1
OLD BEN 26	BARREN	21	3A	-	-	2	-	-	1	-	-	2	-	-	5	13	10
OLD BEN 26	BARREN	21	3B	-	-	1	-	-	1	-	-	3	-	-	5	13	3
OLD BEN 26	BARREN	21	3C	-	-	1	-	-	1	-	-	5	-	-	1	13	6
OLD BEN 26	BARREN	21	3D	-	-	1	-	-	1	-	-	5	-	-	1	13	3
OLD BEN 26	BARREN	21	3E	-	-	2	-	-	1	-	-	5	-	-	1	13	6
OLD BEN 26	BARREN	21	3F	-	-	1	-	-	1	-	-	5	-	-	1	13	10
OLD BEN 26	BARREN	21	3G	-	-	3	-	-	1	-	-	5	-	-	3	0	1
OLD BEN 26	BARREN	21	3H	-	-	3	-	-	1	-	-	5	-	-	3	0	1
OLD BEN 26	BARREN	21	4A	-	-	1	-	-	1	-	-	2	-	-	5	14	6
OLD BEN 26	BARREN	21	4B	-	-	1	-	-	1	-	-	3	-	-	5	13	6
OLD BEN 26	BARREN	21	4C	-	-	1	-	-	1	-	-	5	-	-	1	13	6
OLD BEN 26	BARREN	21	4D	-	-	1	-	-	1	-	-	5	-	-	1	13	6
OLD BEN 26	BARREN	21	4E	-	-	1	-	-	1	-	-	5	-	-	2	13	3
OLD BEN 26	BARREN	21	4F	-	-	1	-	-	1	-	-	5	-	-	1	13	6
OLD BEN 26	BARREN	21	4G	-	-	3	-	-	1	-	-	5	-	-	3	0	1
OLD BEN 26	BARREN	21	4H	-	-	3	-	-	1	-	-	5	-	-	3	0	1
OLD BEN 26	BARREN	21	5A	-	-	2	-	-	1	-	-	5	-	-	2	13	10
OLD BEN 26	BARREN	21	5B	-	-	2	-	-	1	-	-	5	-	-	1	13	6
OLD BEN 26	BARREN	21	5C	-	-	2	-	-	1	-	-	5	-	-	1	13	3
OLD BEN 26	BARREN	21	5D	-	-	1	-	-	1	-	-	5	-	-	1	13	3
OLD BEN 26	BARREN	21	5E	-	-	1	-	-	1	-	-	5	-	-	2	13	10
OLD BEN 26	BARREN	21	5F	-	-	4	-	-	1	-	-	5	-	-	1	13	3
OLD BEN 26	BARREN	21	5G	-	-	3	-	-	1	-	-	5	-	-	3	0	1
OLD BEN 26	BARREN	21	5H	-	-	3	-	-	1	-	-	5	-	-	3	0	1
OLD BEN 26	BARREN	21	6A	-	-	2	-	-	1	-	-	5	-	-	2	13	3
OLD BEN 26	BARREN	21	6B	-	-	2	-	-	1	-	-	5	-	-	4	13	3
OLD BEN 26	BARREN	21	6C	-	-	2	-	-	1	-	-	5	-	-	4	13	6
OLD BEN 26	BARREN	21	6D	-	-	1	-	-	1	-	-	5	-	-	4	13	3
OLD BEN 26	BARREN	21	6E	-	-	1	-	-	1	-	-	5	-	-	1	13	6
OLD BEN 26	BARREN	21	6F	-	-	4	-	-	1	-	-	5	-	-	1	13	3
OLD BEN 26	BARREN	21	6G	-	-	3	-	-	1	-	-	5	-	-	3	0	1
OLD BEN 26	BARREN	21	6H	-	-	3	-	-	1	-	-	5	-	-	3	0	1
OLD BEN 26	BARREN	21	7A	-	-	2	-	-	1	-	-	5	-	-	2	13	10
OLD BEN 26	BARREN	21	7B	-	-	2	-	-	1	-	-	5	-	-	2	13	6
OLD BEN 26	BARREN	21	7C	-	-	1	-	-	1	-	-	5	-	-	2	13	6
OLD BEN 26	BARREN	21	7D	-	-	1	-	-	1	-	-	5	-	-	2	13	6
OLD BEN 26	BARREN	21	7E	-	-	2	-	-	1	-	-	2	-	-	5	13	3
OLD BEN 26	BARREN	21	7F	-	-	1	-	-	1	-	-	5	-	-	1	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 26	BARREN	21	7G	-	-	3	-	-	1	-	-	5	-	-	3	0	1
OLD BEN 26	BARREN	21	7H	-	-	3	-	-	1	-	-	5	-	-	3	0	1
OLD BEN 26	BARREN	21	8A	-	-	4	-	-	1	-	-	3	-	-	5	13	6
OLD BEN 26	BARREN	21	8B	-	-	1	-	-	1	-	-	3	-	-	5	13	6
OLD BEN 26	BARREN	21	8C	-	-	1	-	-	1	-	-	3	-	-	5	13	6
OLD BEN 26	BARREN	21	8D	-	-	2	-	-	1	-	-	3	-	-	5	14	6
OLD BEN 26	BARREN	21	8E	-	-	1	-	-	1	-	-	3	-	-	5	13	6
OLD BEN 26	BARREN	21	8F	-	-	4	-	-	1	-	-	3	-	-	5	13	6
OLD BEN 26	BARREN	21	8G	-	-	3	-	-	1	-	-	3	-	-	5	0	1
OLD BEN 26	BARREN	21	8H	-	-	3	-	-	1	-	-	3	-	-	5	0	1
OLD BEN 26	BARREN	29	1A	-	1	1	-	1	1	-	2	2	-	5	5	14	10
OLD BEN 26	BARREN	29	1B	-	1	1	-	2	2	-	2	2	-	5	5	13	6
OLD BEN 26	BARREN	29	1C	-	1	1	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 26	BARREN	29	1D	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 26	BARREN	29	1E	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 26	BARREN	29	1F	-	1	1	-	3	1	-	5	5	-	4	4	13	6
OLD BEN 26	BARREN	29	1G	-	1	1	-	1	1	-	5	5	-	2	2	13	10
OLD BEN 26	BARREN	29	1H	-	3	3	-	1	1	-	3	3	-	5	5	0	1
OLD BEN 26	BARREN	29	2A	-	2	2	-	1	1	-	5	5	-	1	1	14	10
OLD BEN 26	BARREN	29	2B	-	1	1	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 26	BARREN	29	2C	-	1	1	-	1	1	-	2	2	-	5	5	14	10
OLD BEN 26	BARREN	29	2D	-	1	1	-	1	2	-	5	5	-	2	2	13	3
OLD BEN 26	BARREN	29	2E	-	1	1	-	1	2	-	5	5	-	2	2	13	6
OLD BEN 26	BARREN	29	2F	-	1	1	-	1	1	-	5	5	-	2	2	13	3
OLD BEN 26	BARREN	29	2G	-	3	3	-	1	1	-	2	2	-	5	5	0	1
OLD BEN 26	BARREN	29	2H	-	3	3	-	1	1	-	3	3	-	5	5	0	1
OLD BEN 26	BARREN	29	3A	-	1	1	-	1	1	-	3	3	-	5	5	72	1
OLD BEN 26	BARREN	29	3B	-	1	1	-	1	1	-	3	3	-	5	5	14	6
OLD BEN 26	BARREN	29	3C	-	2	2	-	1	1	-	3	3	-	5	5	14	10
OLD BEN 26	BARREN	29	3D	-	2	2	-	1	1	-	2	2	-	5	5	14	6
OLD BEN 26	BARREN	29	3E	-	3	3	-	1	1	-	2	2	-	5	5	0	1
OLD BEN 26	BARREN	29	3F	-	3	3	-	1	1	-	2	2	-	5	5	0	1
OLD BEN 26	BARREN	29	3G	-	3	3	-	1	1	-	2	2	-	5	5	0	1
OLD BEN 26	BARREN	29	3H	-	3	3	-	1	1	-	3	3	-	5	5	0	1
OLD BEN 26	BARREN	29	4A	-	1	1	-	1	1	-	3	3	-	5	5	14	6
OLD BEN 26	BARREN	29	4B	-	2	2	-	1	1	-	3	3	-	5	5	72	1
OLD BEN 26	BARREN	29	4C	-	2	2	-	1	1	-	3	3	-	5	5	72	1
OLD BEN 26	BARREN	29	4D	-	2	2	-	1	1	-	3	3	-	5	5	72	1
OLD BEN 26	BARREN	29	4E	-	1	1	-	1	1	-	3	3	-	5	5	14	10
OLD BEN 26	BARREN	29	4F	-	1	1	-	1	1	-	3	3	-	5	5	13	10
OLD BEN 26	BARREN	29	4G	-	1	1	-	1	1	-	3	3	-	5	5	14	6
OLD BEN 26	BARREN	29	4H	-	2	2	-	1	1	-	3	3	-	5	5	13	10
OLD BEN 26	BARREN	29	5A	-	2	2	-	1	1	-	5	5	-	2	2	72	1
OLD BEN 26	BARREN	29	5B	-	2	2	-	1	1	-	5	5	-	1	1	72	1
OLD BEN 26	BARREN	29	5C	-	2	2	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 26	BARREN	29	5D	-	1	1	-	2	1	-	5	5	-	2	2	14	6
OLD BEN 26	BARREN	29	5E	-	2	2	-	1	1	-	5	5	-	2	2	14	10
OLD BEN 26	BARREN	29	5F	-	4	4	-	1	1	-	5	5	-	2	2	13	6
OLD BEN 26	BARREN	29	5G	-	4	4	-	1	1	-	3	3	-	5	5	14	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 26	BARREN	29	5H	-	2	2	-	1	1	-	3	3	-	5	5	14	6
OLD BEN 26	BARREN	29	6A	-	2	2	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 26	BARREN	29	6B	-	1	1	-	1	1	-	5	5	-	4	4	13	6
OLD BEN 26	BARREN	29	6C	-	1	1	-	1	1	-	5	5	-	4	4	72	1
OLD BEN 26	BARREN	29	6D	-	1	1	-	2	1	-	5	5	-	4	4	13	3
OLD BEN 26	BARREN	29	6E	-	2	2	-	1	1	-	5	5	-	4	4	14	10
OLD BEN 26	BARREN	29	6F	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 26	BARREN	29	6G	-	2	2	-	1	1	-	3	3	-	5	5	14	10
OLD BEN 26	BARREN	29	6H	-	2	2	-	1	1	-	3	3	-	5	5	13	10
OLD BEN 26	BARREN	29	7A	-	2	2	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 26	BARREN	29	7B	-	2	2	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 26	BARREN	29	7C	-	2	2	-	1	1	-	5	5	-	1	1	72	1
OLD BEN 26	BARREN	29	7D	-	1	1	-	1	2	-	5	5	-	1	1	13	6
OLD BEN 26	BARREN	29	7E	-	1	1	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 26	BARREN	29	7F	-	1	1	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 26	BARREN	29	7G	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 26	BARREN	29	7H	-	1	1	-	1	1	-	3	3	-	5	5	14	6
OLD BEN 26	BARREN	29	8A	-	2	2	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 26	BARREN	29	8B	-	1	1	-	1	1	-	2	2	-	5	5	13	10
OLD BEN 26	BARREN	29	8C	-	1	1	-	1	1	-	2	2	-	5	5	14	10
OLD BEN 26	BARREN	29	8D	-	1	1	-	1	1	-	2	2	-	5	5	14	6
OLD BEN 26	BARREN	29	8E	-	4	4	-	1	1	-	2	2	-	5	5	12	3
OLD BEN 26	BARREN	29	8F	-	2	4	-	1	1	-	2	2	-	5	5	12	1
OLD BEN 26	BARREN	29	8G	-	1	4	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	29	8H	-	1	4	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	30	1A	-	2	2	-	1	1	-	1	1	-	5	5	14	10
OLD BEN 26	BARREN	30	1B	-	1	1	-	1	1	-	2	2	-	5	5	13	10
OLD BEN 26	BARREN	30	1C	-	1	1	-	1	1	-	2	2	-	5	5	13	3
OLD BEN 26	BARREN	30	1D	-	2	2	-	1	1	-	2	2	-	5	5	14	6
OLD BEN 26	BARREN	30	1E	-	1	1	-	1	1	-	2	2	-	5	5	14	10
OLD BEN 26	BARREN	30	1F	-	1	1	-	1	1	-	5	5	-	1	1	72	1
OLD BEN 26	BARREN	30	1G	-	1	1	-	1	1	-	5	5	-	1	1	14	6
OLD BEN 26	BARREN	30	1H	-	1	1	-	1	1	-	5	5	-	1	1	14	6
OLD BEN 26	BARREN	30	2A	-	1	1	-	1	1	-	1	1	-	5	5	14	10
OLD BEN 26	BARREN	30	2B	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 26	BARREN	30	2C	-	1	1	-	1	1	-	3	5	-	5	2	13	3
OLD BEN 26	BARREN	30	2D	-	1	1	-	1	1	-	3	5	-	5	2	13	6
OLD BEN 26	BARREN	30	2E	-	1	1	-	2	1	-	3	3	-	5	5	14	10
OLD BEN 26	BARREN	30	2F	-	1	1	-	1	1	-	5	5	-	1	1	14	10
OLD BEN 26	BARREN	30	2G	-	2	2	-	1	1	-	5	5	-	2	2	14	10
OLD BEN 26	BARREN	30	2H	-	2	2	-	3	1	-	5	5	-	1	1	72	1
OLD BEN 26	BARREN	30	3A	-	1	1	-	1	1	-	3	3	-	5	5	12	3
OLD BEN 26	BARREN	30	3B	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 26	BARREN	30	3C	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 26	BARREN	30	3D	-	1	1	-	3	1	-	3	3	-	5	5	12	3
OLD BEN 26	BARREN	30	3E	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	30	3F	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 26	BARREN	30	3G	-	2	2	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	30	3H	-	1	1	-	1	1	-	3	3	-	5	5	14	10

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 26	BARREN	30	4A	-	1	1	-	1	1	-	3	3	-	5	5	12	6
OLD BEN 26	BARREN	30	4B	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	30	4C	-	3	3	-	1	1	-	3	3	-	5	5	0	1
OLD BEN 26	BARREN	30	4D	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	30	4E	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 26	BARREN	30	4F	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 26	BARREN	30	4G	-	2	2	-	1	1	-	3	3	-	5	5	14	6
OLD BEN 26	BARREN	30	4H	-	2	2	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	30	5A	-	1	1	-	2	2	-	4	4	-	1	1	13	6
OLD BEN 26	BARREN	30	5B	-	2	2	-	2	2	-	4	4	-	1	1	13	6
OLD BEN 26	BARREN	30	5C	-	2	2	-	2	3	-	4	4	-	1	1	13	10
OLD BEN 26	BARREN	30	5D	-	2	2	-	2	3	-	4	4	-	2	2	13	6
OLD BEN 26	BARREN	30	5E	-	1	1	-	1	2	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	30	5F	-	1	1	-	1	1	-	5	5	-	2	2	13	10
OLD BEN 26	BARREN	30	5G	-	1	1	-	1	1	-	5	5	-	1	1	14	10
OLD BEN 26	BARREN	30	5H	-	2	2	-	1	1	-	5	5	-	3	3	14	1
OLD BEN 26	BARREN	30	6A	-	1	1	-	1	1	-	1	3	-	5	5	13	3
OLD BEN 26	BARREN	30	6B	-	1	1	-	1	1	-	1	3	-	5	5	13	3
OLD BEN 26	BARREN	30	6C	-	1	1	-	1	2	-	1	3	-	5	5	13	3
OLD BEN 26	BARREN	30	6D	-	1	1	-	1	2	-	1	3	-	5	5	13	6
OLD BEN 26	BARREN	30	6E	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	30	6F	-	1	1	-	1	1	-	2	5	-	5	1	14	6
OLD BEN 26	BARREN	30	6G	-	1	1	-	1	1	-	5	5	-	1	1	13	3
OLD BEN 26	BARREN	30	6H	-	1	1	-	1	1	-	5	5	-	1	1	13	6
OLD BEN 26	BARREN	30	7A	-	1	1	-	1	1	-	1	4	-	5	2	13	3
OLD BEN 26	BARREN	30	7B	-	1	1	-	1	2	-	1	4	-	5	2	13	3
OLD BEN 26	BARREN	30	7C	-	1	1	-	1	1	-	1	4	-	5	1	13	3
OLD BEN 26	BARREN	30	7D	-	1	1	-	1	1	-	1	4	-	5	2	13	6
OLD BEN 26	BARREN	30	7E	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	30	7F	-	1	1	-	1	1	-	2	5	-	5	1	13	6
OLD BEN 26	BARREN	30	7G	-	1	1	-	1	1	-	5	5	-	1	1	13	10
OLD BEN 26	BARREN	30	7H	-	2	2	-	1	1	-	5	5	-	3	3	72	1
OLD BEN 26	BARREN	30	8A	-	1	1	-	1	2	-	1	4	-	5	1	13	1
OLD BEN 26	BARREN	30	8B	-	1	1	-	1	2	-	1	4	-	5	1	13	6
OLD BEN 26	BARREN	30	8C	-	1	1	-	1	2	-	1	4	-	5	2	13	3
OLD BEN 26	BARREN	30	8D	-	1	1	-	1	1	-	1	4	-	5	2	13	3
OLD BEN 26	BARREN	30	8E	-	1	1	-	3	3	-	3	3	-	5	5	13	1
OLD BEN 26	BARREN	30	8F	-	1	1	-	1	3	-	3	3	-	5	5	13	3
OLD BEN 26	BARREN	30	8G	-	1	1	-	1	1	-	3	3	-	5	5	14	3
OLD BEN 26	BARREN	30	8H	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	31	1A	-	1	1	-	1	1	-	1	2	-	5	5	12	3
OLD BEN 26	BARREN	31	1B	-	1	1	-	1	1	-	1	2	-	5	5	13	3
OLD BEN 26	BARREN	31	1C	-	1	1	-	1	1	-	1	2	-	5	5	13	6
OLD BEN 26	BARREN	31	1D	-	1	1	-	1	1	-	1	2	-	5	5	13	10
OLD BEN 26	BARREN	31	1E	-	1	1	-	1	1	-	1	3	-	5	5	72	1
OLD BEN 26	BARREN	31	1F	-	1	1	-	1	1	-	4	4	-	3	3	72	1
OLD BEN 26	BARREN	31	1G	-	2	2	-	1	1	-	4	4	-	3	3	13	1
OLD BEN 26	BARREN	31	1H	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	31	2A	-	1	1	-	1	1	-	1	2	-	5	5	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 26	BARREN	31	2B	-	1	1	-	1	1	-	1	2	-	5	5	13	6
OLD BEN 26	BARREN	31	2C	-	1	1	-	1	1	-	1	2	-	5	5	13	6
OLD BEN 26	BARREN	31	2D	-	2	2	-	1	1	-	1	2	-	5	5	13	6
OLD BEN 26	BARREN	31	2E	-	1	1	-	1	1	-	1	3	-	5	5	13	6
OLD BEN 26	BARREN	31	2F	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 26	BARREN	31	2G	-	1	1	-	1	1	-	3	3	-	5	5	13	10
OLD BEN 26	BARREN	31	2H	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	31	3A	-	1	1	-	1	1	-	1	2	-	5	5	13	3
OLD BEN 26	BARREN	31	3B	-	1	1	-	1	1	-	1	2	-	5	5	12	3
OLD BEN 26	BARREN	31	3C	-	1	1	-	1	1	-	1	2	-	5	5	13	1
OLD BEN 26	BARREN	31	3D	-	1	1	-	1	1	-	1	2	-	5	5	13	3
OLD BEN 26	BARREN	31	3E	-	1	1	-	1	1	-	1	3	-	5	5	13	3
OLD BEN 26	BARREN	31	3F	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	31	3G	-	1	1	-	1	2	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	31	3H	-	1	1	-	2	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	31	4A	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 26	BARREN	31	4B	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 26	BARREN	31	4C	-	1	1	-	1	1	-	1	1	-	5	5	13	1
OLD BEN 26	BARREN	31	4D	-	2	2	-	1	1	-	1	1	-	5	5	12	1
OLD BEN 26	BARREN	31	4E	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 26	BARREN	31	4F	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	31	4G	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	31	4H	-	2	2	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	31	5A	-	1	1	-	1	1	-	1	1	-	5	5	13	10
OLD BEN 26	BARREN	31	5B	-	2	2	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 26	BARREN	31	5C	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 26	BARREN	31	5D	-	1	1	-	1	1	-	1	1	-	5	5	13	1
OLD BEN 26	BARREN	31	5E	-	1	1	-	1	2	-	1	1	-	5	5	13	3
OLD BEN 26	BARREN	31	5F	-	1	1	-	2	2	-	4	4	-	1	1	13	3
OLD BEN 26	BARREN	31	5G	-	1	1	-	2	2	-	4	4	-	1	1	13	3
OLD BEN 26	BARREN	31	5H	-	1	1	-	2	2	-	4	4	-	1	1	13	6
OLD BEN 26	BARREN	31	6A	-	1	1	-	1	1	-	6	6	-	5	5	13	6
OLD BEN 26	BARREN	31	6B	-	2	2	-	1	1	-	6	6	-	5	5	13	6
OLD BEN 26	BARREN	31	6C	-	1	1	-	1	1	-	1	1	-	5	5	13	3
OLD BEN 26	BARREN	31	6D	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 26	BARREN	31	6E	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 26	BARREN	31	6F	-	4	4	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 26	BARREN	31	6G	-	1	1	-	1	1	-	1	4	-	5	2	13	6
OLD BEN 26	BARREN	31	6H	-	1	1	-	1	1	-	1	4	-	5	1	13	3
OLD BEN 26	BARREN	31	7A	-	1	1	-	1	1	-	6	6	-	5	5	13	6
OLD BEN 26	BARREN	31	7B	-	2	2	-	1	1	-	6	6	-	5	5	13	6
OLD BEN 26	BARREN	31	7C	-	1	1	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 26	BARREN	31	7D	-	1	1	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 26	BARREN	31	7E	-	2	2	-	1	1	-	2	2	-	5	5	13	1
OLD BEN 26	BARREN	31	7F	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 26	BARREN	31	7G	-	1	1	-	1	1	-	1	3	-	5	5	13	1
OLD BEN 26	BARREN	31	7H	-	1	1	-	1	1	-	1	2	-	5	5	13	3
OLD BEN 26	BARREN	31	8A	-	4	4	-	1	1	-	6	6	-	5	5	13	6
OLD BEN 26	BARREN	31	8B	-	1	1	-	1	2	-	6	6	-	5	5	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 26	BARREN	31	8C	-	1	1	-	1	1	-	6	6	-	5	5	13	3
OLD BEN 26	BARREN	31	8D	-	1	1	-	1	1	-	2	2	-	5	5	13	6
OLD BEN 26	BARREN	31	8E	-	2	2	-	1	1	-	2	2	-	5	5	13	1
OLD BEN 26	BARREN	31	8F	-	1	1	-	1	1	-	6	6	-	5	5	13	6
OLD BEN 26	BARREN	31	8G	-	1	1	-	1	1	-	1	3	-	5	5	13	6
OLD BEN 26	BARREN	31	8H	-	1	1	-	1	1	-	1	3	-	5	5	13	3
OLD BEN 26	BARREN	32	1A	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	32	1B	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 26	BARREN	32	1C	-	1	1	-	1	1	-	3	3	-	5	5	72	1
OLD BEN 26	BARREN	32	1D	-	1	1	-	1	1	-	3	3	-	5	5	14	10
OLD BEN 26	BARREN	32	1E	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	32	1F	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 26	BARREN	32	1G	-	1	1	-	1	1	-	3	3	-	5	5	14	10
OLD BEN 26	BARREN	32	1H	-	1	1	-	1	1	-	2	2	-	5	5	14	10
OLD BEN 26	BARREN	32	2A	-	1	1	-	2	2	-	3	3	-	5	5	13	3
OLD BEN 26	BARREN	32	2B	-	1	1	-	2	2	-	3	3	-	5	5	14	6
OLD BEN 26	BARREN	32	2C	-	2	2	-	2	2	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	32	2D	-	1	1	-	1	2	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	32	2E	-	1	1	-	1	2	-	3	3	-	5	5	14	6
OLD BEN 26	BARREN	32	2F	-	1	1	-	1	2	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	32	2G	-	1	1	-	1	1	-	3	3	-	5	5	13	10
OLD BEN 26	BARREN	32	2H	-	2	2	-	1	1	-	2	2	-	5	5	14	1
OLD BEN 26	BARREN	32	3A	-	1	1	-	2	2	-	3	3	-	5	5	13	3
OLD BEN 26	BARREN	32	3B	-	2	2	-	2	2	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	32	3C	-	1	1	-	2	2	-	3	3	-	5	5	13	10
OLD BEN 26	BARREN	32	3D	-	1	1	-	1	2	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	32	3E	-	1	1	-	1	2	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	32	3F	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	32	3G	-	2	2	-	1	1	-	3	3	-	5	5	14	10
OLD BEN 26	BARREN	32	3H	-	1	1	-	1	1	-	2	2	-	5	5	13	10
OLD BEN 26	BARREN	32	4A	-	2	2	-	1	2	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	32	4B	-	1	1	-	1	2	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	32	4C	-	1	1	-	1	1	-	3	4	-	5	1	13	10
OLD BEN 26	BARREN	32	4D	-	1	1	-	2	1	-	4	4	-	1	1	13	6
OLD BEN 26	BARREN	32	4E	-	1	1	-	2	2	-	4	4	-	3	3	13	1
OLD BEN 26	BARREN	32	4F	-	1	1	-	2	2	-	4	4	-	1	1	13	3
OLD BEN 26	BARREN	32	4G	-	1	1	-	1	1	-	3	3	-	5	5	13	3
OLD BEN 26	BARREN	32	4H	-	2	2	-	1	1	-	1	3	-	5	5	13	6
OLD BEN 26	BARREN	32	5A	-	1	1	-	2	2	-	4	4	-	2	2	13	6
OLD BEN 26	BARREN	32	5B	-	1	1	-	2	2	-	4	4	-	2	2	13	3
OLD BEN 26	BARREN	32	5C	-	1	1	-	3	2	-	4	4	-	1	1	13	3
OLD BEN 26	BARREN	32	5D	-	1	1	-	1	2	-	4	4	-	1	1	13	3
OLD BEN 26	BARREN	32	5E	-	1	1	-	1	3	-	4	4	-	2	2	13	3
OLD BEN 26	BARREN	32	5F	-	1	1	-	1	2	-	4	4	-	1	1	13	3
OLD BEN 26	BARREN	32	5G	-	1	1	-	1	1	-	3	3	-	5	5	13	6
OLD BEN 26	BARREN	32	5H	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 26	BARREN	32	6A	-	1	1	-	1	2	-	1	4	-	5	2	13	3
OLD BEN 26	BARREN	32	6B	-	1	1	-	1	2	-	1	4	-	5	2	13	3
OLD BEN 26	BARREN	32	6C	-	2	2	-	1	2	-	1	2	-	5	5	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 26	BARREN	32	6D	-	1	1	-	1	2	-	1	3	-	5	5	14	1
OLD BEN 26	BARREN	32	6E	-	2	2	-	1	1	-	1	3	-	5	5	13	6
OLD BEN 26	BARREN	32	6F	-	4	4	-	1	1	-	1	3	-	5	5	13	3
OLD BEN 26	BARREN	32	6G	-	2	2	-	3	3	-	3	3	-	5	5	13	10
OLD BEN 26	BARREN	32	6H	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 26	BARREN	32	7A	-	2	2	-	1	1	-	1	2	-	5	5	13	3
OLD BEN 26	BARREN	32	7B	-	2	2	-	1	1	-	1	2	-	5	5	13	3
OLD BEN 26	BARREN	32	7C	-	1	1	-	1	1	-	1	2	-	5	5	13	1
OLD BEN 26	BARREN	32	7D	-	1	1	-	1	1	-	1	3	-	5	5	13	3
OLD BEN 26	BARREN	32	7E	-	1	1	-	1	1	-	6	6	-	5	5	14	6
OLD BEN 26	BARREN	32	7F	-	1	1	-	1	1	-	1	1	-	5	5	13	10
OLD BEN 26	BARREN	32	7G	-	2	2	-	1	1	-	1	1	-	5	5	13	1
OLD BEN 26	BARREN	32	7H	-	4	4	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 26	BARREN	32	8A	-	1	1	-	1	1	-	1	3	-	5	5	13	3
OLD BEN 26	BARREN	32	8B	-	1	1	-	1	1	-	1	3	-	5	5	13	3
OLD BEN 26	BARREN	32	8C	-	1	1	-	1	1	-	1	3	-	5	5	13	6
OLD BEN 26	BARREN	32	8D	-	1	1	-	1	1	-	1	3	-	5	5	14	10
OLD BEN 26	BARREN	32	8E	-	1	1	-	1	1	-	6	6	-	5	5	14	10
OLD BEN 26	BARREN	32	8F	-	1	1	-	1	1	-	1	1	-	5	5	13	10
OLD BEN 26	BARREN	32	8G	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 26	BARREN	32	8H	-	1	1	-	1	1	-	1	1	-	5	5	13	6
OLD BEN 26	BARREN	33	1A	-	-	2	-	-	1	-	-	5	-	-	1	72	1
OLD BEN 26	BARREN	33	1B	-	-	1	-	-	1	-	-	5	-	-	1	14	10
OLD BEN 26	BARREN	33	1C	-	-	2	-	-	1	-	-	5	-	-	1	14	10
OLD BEN 26	BARREN	33	1D	-	-	1	-	-	1	-	-	5	-	-	1	13	10
OLD BEN 26	BARREN	33	1E	-	-	4	-	-	2	-	-	5	-	-	1	13	6
OLD BEN 26	BARREN	33	1F	-	-	2	-	-	1	-	-	5	-	-	1	13	6
OLD BEN 26	BARREN	33	1G	-	-	2	-	-	1	-	-	5	-	-	2	13	6
OLD BEN 26	BARREN	33	1H	-	-	4	-	-	1	-	-	5	-	-	1	13	3
OLD BEN 26	BARREN	33	2A	-	-	2	-	-	1	-	-	5	-	-	2	14	10
OLD BEN 26	BARREN	33	2B	-	-	2	-	-	1	-	-	5	-	-	4	14	10
OLD BEN 26	BARREN	33	2C	-	-	1	-	-	1	-	-	5	-	-	4	13	6
OLD BEN 26	BARREN	33	2D	-	-	1	-	-	1	-	-	5	-	-	4	13	3
OLD BEN 26	BARREN	33	2E	-	-	4	-	-	1	-	-	5	-	-	4	13	6
OLD BEN 26	BARREN	33	2F	-	-	2	-	-	1	-	-	5	-	-	1	13	6
OLD BEN 26	BARREN	33	2G	-	-	2	-	-	1	-	-	5	-	-	3	13	1
OLD BEN 26	BARREN	33	2H	-	-	3	-	-	1	-	-	5	-	-	3	0	1
OLD BEN 26	BARREN	33	3A	-	-	1	-	-	1	-	-	5	-	-	1	13	3
OLD BEN 26	BARREN	33	3B	-	-	1	-	-	1	-	-	5	-	-	1	14	6
OLD BEN 26	BARREN	33	3C	-	-	2	-	-	1	-	-	5	-	-	2	13	6
OLD BEN 26	BARREN	33	3D	-	-	2	-	-	1	-	-	5	-	-	1	13	6
OLD BEN 26	BARREN	33	3E	-	-	4	-	-	1	-	-	5	-	-	1	13	6
OLD BEN 26	BARREN	33	3F	-	-	2	-	-	1	-	-	5	-	-	1	13	10
OLD BEN 26	BARREN	33	3G	-	-	2	-	-	1	-	-	5	-	-	1	13	3
OLD BEN 26	BARREN	33	3H	-	-	3	-	-	1	-	-	5	-	-	3	0	1
OLD BEN 26	BARREN	33	4A	-	-	1	-	-	1	-	-	3	-	-	5	13	10
OLD BEN 26	BARREN	33	4B	-	-	1	-	-	1	-	-	3	-	-	5	14	6
OLD BEN 26	BARREN	33	4C	-	-	2	-	-	1	-	-	3	-	-	5	14	10
OLD BEN 26	BARREN	33	4D	-	-	1	-	-	1	-	-	1	-	-	5	13	6

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 26	BARREN	33	4E	-	-	4	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	BARREN	33	4F	-	-	1	-	-	1	-	-	1	-	-	5	72	1
OLD BEN 26	BARREN	33	4G	-	-	1	-	-	1	-	-	1	-	-	5	13	1
OLD BEN 26	BARREN	33	4H	-	-	2	-	-	1	-	-	1	-	-	5	2	1
OLD BEN 26	BARREN	33	5A	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	BARREN	33	5B	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	BARREN	33	5C	-	-	1	-	-	1	-	-	1	-	-	5	13	10
OLD BEN 26	BARREN	33	5D	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	BARREN	33	5E	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	BARREN	33	5F	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	BARREN	33	5G	-	-	4	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	BARREN	33	5H	-	-	3	-	-	1	-	-	1	-	-	5	0	1
OLD BEN 26	BARREN	33	6A	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	BARREN	33	6B	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	BARREN	33	6C	-	-	1	-	-	1	-	-	1	-	-	5	14	10
OLD BEN 26	BARREN	33	6D	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	BARREN	33	6E	-	-	1	-	-	1	-	-	1	-	-	5	13	10
OLD BEN 26	BARREN	33	6F	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	BARREN	33	6G	-	-	4	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	BARREN	33	6H	-	-	4	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	BARREN	33	7A	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	BARREN	33	7B	-	-	1	-	-	1	-	-	1	-	-	5	13	10
OLD BEN 26	BARREN	33	7C	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	BARREN	33	7D	-	-	2	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	BARREN	33	7E	-	-	2	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	BARREN	33	7F	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	BARREN	33	7G	-	-	4	-	-	1	-	-	1	-	-	5	14	6
OLD BEN 26	BARREN	33	7H	-	-	4	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	BARREN	33	8A	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	BARREN	33	8B	-	-	2	-	-	1	-	-	1	-	-	5	13	10
OLD BEN 26	BARREN	33	8C	-	-	2	-	-	1	-	-	6	-	-	5	13	10
OLD BEN 26	BARREN	33	8D	-	-	1	-	-	1	-	-	6	-	-	5	13	6
OLD BEN 26	BARREN	33	8E	-	-	1	-	-	1	-	-	6	-	-	5	14	6
OLD BEN 26	BARREN	33	8F	-	-	1	-	-	1	-	-	6	-	-	5	13	6
OLD BEN 26	BARREN	33	8G	-	-	1	-	-	1	-	-	6	-	-	5	13	10
OLD BEN 26	BARREN	33	8H	-	-	4	-	-	1	-	-	6	-	-	5	14	3
OLD BEN 26	GOODE	25	1A	-	-	2	-	-	1	-	-	1	-	-	5	12	1
OLD BEN 26	GOODE	25	1B	-	-	1	-	-	1	-	-	1	-	-	5	13	1
OLD BEN 26	GOODE	25	1C	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	1D	-	-	1	-	-	1	-	-	1	-	-	5	12	3
OLD BEN 26	GOODE	25	1E	-	-	1	-	-	1	-	-	1	-	-	5	12	1
OLD BEN 26	GOODE	25	1F	-	-	2	-	-	1	-	-	1	-	-	5	13	1
OLD BEN 26	GOODE	25	1G	-	-	1	-	-	1	-	-	1	-	-	5	13	1
OLD BEN 26	GOODE	25	1H	-	-	2	-	-	1	-	-	1	-	-	5	14	6
OLD BEN 26	GOODE	25	2A	-	-	1	-	-	1	-	-	1	-	-	5	13	1
OLD BEN 26	GOODE	25	2B	-	-	1	-	-	1	-	-	1	-	-	5	12	1
OLD BEN 26	GOODE	25	2C	-	-	2	-	-	1	-	-	1	-	-	5	12	1
OLD BEN 26	GOODE	25	2D	-	-	1	-	-	1	-	-	1	-	-	5	12	1
OLD BEN 26	GOODE	25	2E	-	-	1	-	-	1	-	-	1	-	-	5	12	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 26	GOODE	25	2F	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	2G	-	-	1	-	-	1	-	-	1	-	-	5	13	1
OLD BEN 26	GOODE	25	2H	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	3A	-	-	1	-	-	1	-	-	1	-	-	5	12	1
OLD BEN 26	GOODE	25	3B	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	3C	-	-	1	-	-	1	-	-	1	-	-	5	12	3
OLD BEN 26	GOODE	25	3D	-	-	1	-	-	1	-	-	1	-	-	5	12	3
OLD BEN 26	GOODE	25	3E	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	3F	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	3G	-	-	1	-	-	1	-	-	1	-	-	5	13	1
OLD BEN 26	GOODE	25	3H	-	-	1	-	-	1	-	-	1	-	-	5	13	1
OLD BEN 26	GOODE	25	4A	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	4B	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	GOODE	25	4C	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	GOODE	25	4D	-	-	1	-	-	1	-	-	1	-	-	5	12	3
OLD BEN 26	GOODE	25	4E	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	4F	-	-	1	-	-	1	-	-	1	-	-	5	13	1
OLD BEN 26	GOODE	25	4G	-	-	1	-	-	1	-	-	1	-	-	5	13	1
OLD BEN 26	GOODE	25	4H	-	-	1	-	-	1	-	-	1	-	-	5	13	1
OLD BEN 26	GOODE	25	5A	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	GOODE	25	5B	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	5C	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	5D	-	-	1	-	-	1	-	-	1	-	-	5	12	3
OLD BEN 26	GOODE	25	5E	-	-	2	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	5F	-	-	1	-	-	1	-	-	1	-	-	5	13	1
OLD BEN 26	GOODE	25	5G	-	-	1	-	-	1	-	-	4	-	-	3	13	1
OLD BEN 26	GOODE	25	5H	-	-	1	-	-	3	-	-	4	-	-	1	13	3
OLD BEN 26	GOODE	25	6A	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	GOODE	25	6B	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	GOODE	25	6C	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	6D	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	6E	-	-	2	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	GOODE	25	6F	-	-	2	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	GOODE	25	6G	-	-	1	-	-	1	-	-	2	-	-	5	13	3
OLD BEN 26	GOODE	25	6H	-	-	1	-	-	2	-	-	4	-	-	1	13	3
OLD BEN 26	GOODE	25	7A	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	7B	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	GOODE	25	7C	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	7D	-	-	1	-	-	1	-	-	1	-	-	5	13	1
OLD BEN 26	GOODE	25	7E	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	7F	-	-	1	-	-	1	-	-	1	-	-	5	13	1
OLD BEN 26	GOODE	25	7G	-	-	1	-	-	1	-	-	1	-	-	5	13	1
OLD BEN 26	GOODE	25	7H	-	-	1	-	-	3	-	-	4	-	-	3	13	1
OLD BEN 26	GOODE	25	8A	-	-	2	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	8B	-	-	2	-	-	1	-	-	1	-	-	5	13	10
OLD BEN 26	GOODE	25	8C	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	8D	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	GOODE	25	8E	-	-	1	-	-	1	-	-	1	-	-	5	13	6
OLD BEN 26	GOODE	25	8F	-	-	1	-	-	1	-	-	1	-	-	5	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
OLD BEN 26	GOODE	25	8G	-	-	1	-	-	1	-	-	1	-	-	5	13	3
OLD BEN 26	GOODE	25	8H	-	-	1	-	-	1	-	-	3	-	-	5	12	1
ORIENT 3	BALD HILL	1	1A	1	1	1	1	1	1	3	3	3	5	5	5	4	6
ORIENT 3	BALD HILL	1	1B	1	1	1	1	1	1	5	5	5	1	1	1	4	6
ORIENT 3	BALD HILL	1	1C	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	1	1D	1	1	4	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	1	1E	4	4	4	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BALD HILL	1	1F	4	4	4	1	1	1	1	1	1	5	5	5	533	3
ORIENT 3	BALD HILL	1	1G	4	4	4	1	1	1	1	1	1	5	5	5	533	3
ORIENT 3	BALD HILL	1	1H	4	4	4	1	1	1	1	1	1	5	5	5	533	6
ORIENT 3	BALD HILL	1	2A	2	2	2	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	1	2B	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	1	2C	1	1	1	1	1	1	5	5	5	4	4	4	13	3
ORIENT 3	BALD HILL	1	2D	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	1	2E	1	1	4	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BALD HILL	1	2F	4	4	4	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BALD HILL	1	2G	4	4	4	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BALD HILL	1	2H	4	4	4	1	1	1	1	1	1	5	5	5	533	3
ORIENT 3	BALD HILL	1	3A	2	2	2	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	1	3B	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	1	3C	1	1	1	1	1	2	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	1	3D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	1	3E	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	1	3F	1	1	1	1	1	3	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	1	3G	2	2	2	1	1	1	1	1	1	5	5	5	13	1
ORIENT 3	BALD HILL	1	3H	1	1	4	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BALD HILL	1	4A	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	1	4B	2	2	2	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	1	4C	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	1	4D	2	2	2	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	1	4E	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	1	4F	1	1	1	2	2	2	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	1	4G	3	3	3	1	1	1	3	3	3	5	5	5	0	1
ORIENT 3	BALD HILL	1	4H	3	3	3	1	1	1	2	2	2	5	5	5	0	1
ORIENT 3	BALD HILL	1	5A	1	1	1	1	1	2	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	1	5B	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	1	5C	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	1	5D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	1	5E	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	1	5F	1	1	1	1	1	1	5	5	5	3	3	3	3	1
ORIENT 3	BALD HILL	1	5G	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	1	5H	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	1	6A	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	1	6B	1	1	1	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	1	6C	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	1	6D	2	2	2	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	1	6E	1	1	1	1	1	1	5	5	5	1	1	1	4	3
ORIENT 3	BALD HILL	1	6F	1	1	1	1	1	1	5	5	5	3	3	3	3	1
ORIENT 3	BALD HILL	1	6G	1	1	1	1	1	1	5	5	5	3	3	3	3	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BALD HILL	1	6H	1	1	1	1	2	2	5	5	5	3	3	3	3	1
ORIENT 3	BALD HILL	1	7A	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	1	7B	1	1	1	1	2	2	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	1	7C	1	1	1	1	1	1	5	5	5	4	4	4	13	3
ORIENT 3	BALD HILL	1	7D	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	1	7E	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	1	7F	1	1	1	1	1	1	5	5	5	4	4	4	4	3
ORIENT 3	BALD HILL	1	7G	1	1	1	1	1	1	5	5	5	3	3	3	3	1
ORIENT 3	BALD HILL	1	7H	1	1	1	1	1	1	5	5	5	3	3	3	3	1
ORIENT 3	BALD HILL	1	8A	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	1	8B	1	1	1	1	2	2	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	1	8C	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	1	8D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	1	8E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	1	8F	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	1	8G	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	1	8H	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	2	1A	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	2	1B	1	1	1	1	3	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	2	1C	1	1	1	1	3	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	2	1D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	2	1E	1	1	1	1	1	3	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	2	1F	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	2	1G	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	2	1H	1	1	1	1	1	1	5	5	5	3	3	3	3	1
ORIENT 3	BALD HILL	2	2A	1	1	1	1	1	1	5	5	5	4	4	4	13	3
ORIENT 3	BALD HILL	2	2B	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	2	2C	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	2	2D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	2	2E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	2	2F	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	2	2G	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	2	2H	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	2	3A	2	2	2	1	1	1	5	5	5	1	1	1	12	6
ORIENT 3	BALD HILL	2	3B	2	2	2	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	2	3C	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	2	3D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	2	3E	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	2	3F	1	1	1	1	1	1	5	5	5	2	2	2	13	10
ORIENT 3	BALD HILL	2	3G	1	1	1	1	1	2	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	2	3H	1	1	1	1	2	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	2	4A	2	2	2	1	1	1	3	3	3	5	5	5	12	6
ORIENT 3	BALD HILL	2	4B	2	2	2	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	2	4C	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	2	4D	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	2	4E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	2	4F	1	1	1	1	1	2	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	2	4G	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	2	4H	1	1	1	1	1	3	3	3	3	5	5	5	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BALD HILL	2	5A	2	2	2	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	2	5B	2	2	2	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	2	5C	1	1	1	1	2	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	2	5D	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	2	5E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	2	5F	1	1	1	1	1	2	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	2	5G	1	1	1	1	1	3	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	2	5H	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	2	6A	1	1	1	1	3	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	2	6B	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	2	6C	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	2	6D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	2	6E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	2	6F	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	2	6G	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	2	6H	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	2	7A	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	2	7B	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	2	7C	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	2	7D	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	2	7E	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	2	7F	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	2	7G	1	1	1	1	1	3	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	2	7H	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	2	8A	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	2	8B	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	2	8C	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	2	8D	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	2	8E	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	2	8F	1	1	1	1	3	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	2	8G	2	2	2	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	2	8H	2	2	2	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	3	1A	1	1	1	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	3	1B	1	1	1	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	3	1C	1	1	1	1	1	1	5	5	5	2	2	2	13	10
ORIENT 3	BALD HILL	3	1D	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	3	1E	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	3	1F	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	3	1G	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	3	1H	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	3	2A	1	1	1	1	1	1	3	3	3	5	5	5	14	10
ORIENT 3	BALD HILL	3	2B	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	3	2C	1	1	1	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	3	2D	2	2	2	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	3	2E	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	3	2F	2	2	2	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	3	2G	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	3	2H	1	1	1	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	3	3A	1	1	1	1	2	2	5	5	5	2	2	2	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BALD HILL	3	3B	1	1	1	3	1	1	5	5	5	2	2	2	13	10
ORIENT 3	BALD HILL	3	3C	1	1	1	1	1	2	5	5	5	1	1	1	14	10
ORIENT 3	BALD HILL	3	3D	2	2	2	1	1	1	5	5	5	2	2	2	13	10
ORIENT 3	BALD HILL	3	3E	2	2	2	4	2	1	5	5	5	2	2	2	14	6
ORIENT 3	BALD HILL	3	3F	1	1	1	3	3	1	5	5	5	2	2	2	14	3
ORIENT 3	BALD HILL	3	3G	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	3	3H	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	3	4A	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	3	4B	2	2	2	1	1	1	3	3	3	5	5	5	72	1
ORIENT 3	BALD HILL	3	4C	2	2	2	1	1	1	3	3	3	5	5	5	72	1
ORIENT 3	BALD HILL	3	4D	2	2	2	1	1	1	3	3	3	5	5	5	14	10
ORIENT 3	BALD HILL	3	4E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	3	4F	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 3	BALD HILL	3	4G	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	3	4H	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	3	5A	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 3	BALD HILL	3	5B	2	2	2	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BALD HILL	3	5C	1	1	1	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BALD HILL	3	5D	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	3	5E	1	1	1	1	1	1	5	5	5	2	2	2	13	10
ORIENT 3	BALD HILL	3	5F	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	3	5G	2	2	2	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	3	5H	2	2	2	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	3	6A	1	1	1	1	1	1	5	5	5	4	4	4	14	6
ORIENT 3	BALD HILL	3	6B	1	1	1	1	1	1	5	5	5	4	4	4	14	10
ORIENT 3	BALD HILL	3	6C	2	2	2	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	3	6D	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	3	6E	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	3	6F	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	3	6G	1	1	1	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	3	6H	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	3	7A	1	1	1	1	1	1	5	5	5	4	4	4	13	10
ORIENT 3	BALD HILL	3	7B	1	1	1	1	1	1	5	5	5	4	4	4	13	10
ORIENT 3	BALD HILL	3	7C	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	3	7D	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	3	7E	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	3	7F	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	3	7G	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	3	7H	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	3	8A	1	1	1	1	1	1	5	5	5	4	4	4	14	10
ORIENT 3	BALD HILL	3	8B	1	1	1	1	1	1	5	5	5	4	4	4	13	10
ORIENT 3	BALD HILL	3	8C	1	1	1	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	3	8D	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	3	8E	1	1	1	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BALD HILL	3	8F	1	1	1	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BALD HILL	3	8G	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	3	8H	1	1	1	3	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	4	1A	1	1	1	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	4	1B	1	1	1	1	1	1	3	3	3	5	5	5	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BALD HILL	4	1C	1	1	1	1	2	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	4	1D	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	4	1E	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	4	1F	1	1	1	1	1	1	3	3	3	5	5	5	14	10
ORIENT 3	BALD HILL	4	1G	1	1	1	1	2	1	3	3	3	5	5	5	14	10
ORIENT 3	BALD HILL	4	1H	1	1	1	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BALD HILL	4	2A	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	4	2B	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	4	2C	2	2	2	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	4	2D	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	4	2E	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	4	2F	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	4	2G	1	1	1	1	1	1	3	3	3	5	5	5	14	10
ORIENT 3	BALD HILL	4	2H	3	3	3	1	1	1	3	3	3	5	5	5	0	1
ORIENT 3	BALD HILL	4	3A	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	4	3B	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	4	3C	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	4	3D	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	4	3E	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	4	3F	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	4	3G	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 3	BALD HILL	4	3H	3	3	3	1	1	1	3	3	3	5	5	5	0	1
ORIENT 3	BALD HILL	4	4A	2	2	2	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	4	4B	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	4	4C	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	4	4D	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	4	4E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	4	4F	2	2	2	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	4	4G	3	3	3	1	1	1	3	3	3	5	5	5	0	1
ORIENT 3	BALD HILL	4	4H	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 3	BALD HILL	4	5A	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	4	5B	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	4	5C	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	4	5D	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	4	5E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	4	5F	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	4	5G	1	1	1	1	1	1	3	3	3	5	5	5	14	10
ORIENT 3	BALD HILL	4	5H	1	1	1	1	1	1	3	3	3	5	5	5	14	10
ORIENT 3	BALD HILL	4	6A	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	4	6B	1	1	1	1	1	1	3	3	3	5	5	5	14	10
ORIENT 3	BALD HILL	4	6C	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	4	6D	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	4	6E	2	2	2	1	1	1	5	5	5	1	1	1	14	6
ORIENT 3	BALD HILL	4	6F	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	4	6G	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	4	6H	2	2	2	1	1	1	5	5	5	1	1	1	14	6
ORIENT 3	BALD HILL	4	7A	2	2	2	1	1	1	5	5	5	1	1	1	14	6
ORIENT 3	BALD HILL	4	7B	1	1	1	1	1	1	3	3	3	5	5	5	14	10
ORIENT 3	BALD HILL	4	7C	1	1	1	1	1	1	5	5	5	1	1	1	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BALD HILL	4	7D	1	1	1	1	1	1	5	5	5	4	4	4	13	10
ORIENT 3	BALD HILL	4	7E	1	1	1	1	1	1	5	5	5	4	4	4	14	10
ORIENT 3	BALD HILL	4	7F	1	1	1	1	1	1	5	5	5	4	4	4	14	10
ORIENT 3	BALD HILL	4	7G	1	1	1	1	1	1	5	5	5	4	4	4	14	10
ORIENT 3	BALD HILL	4	7H	1	1	1	1	1	2	5	5	5	4	4	4	13	3
ORIENT 3	BALD HILL	4	8A	1	1	1	1	1	1	5	5	5	1	1	1	14	10
ORIENT 3	BALD HILL	4	8B	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	4	8C	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	4	8D	2	2	2	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	4	8E	1	1	1	1	1	1	5	5	5	4	4	4	13	10
ORIENT 3	BALD HILL	4	8F	1	1	1	1	1	1	5	5	5	4	4	4	13	10
ORIENT 3	BALD HILL	4	8G	1	1	1	1	1	1	5	5	5	4	4	4	14	10
ORIENT 3	BALD HILL	4	8H	1	1	1	1	1	1	5	5	5	3	3	3	72	1
ORIENT 3	BALD HILL	5	1A	-	1	1	-	1	1	-	1	1	-	5	5	14	10
ORIENT 3	BALD HILL	5	1B	-	1	1	-	1	1	-	5	5	-	2	2	13	10
ORIENT 3	BALD HILL	5	1C	-	1	1	-	1	1	-	5	5	-	1	1	13	3
ORIENT 3	BALD HILL	5	1D	-	1	1	-	1	1	-	5	5	-	2	2	14	10
ORIENT 3	BALD HILL	5	1E	-	1	1	-	1	1	-	5	5	-	1	1	13	10
ORIENT 3	BALD HILL	5	1F	-	1	1	-	1	1	-	5	5	-	1	1	13	3
ORIENT 3	BALD HILL	5	1G	-	1	1	-	1	1	-	5	5	-	1	1	13	6
ORIENT 3	BALD HILL	5	1H	-	1	1	-	1	1	-	5	5	-	1	1	14	10
ORIENT 3	BALD HILL	5	2A	-	1	1	-	1	1	-	1	1	-	5	5	13	3
ORIENT 3	BALD HILL	5	2B	-	1	1	-	1	1	-	5	5	-	1	1	14	6
ORIENT 3	BALD HILL	5	2C	-	1	1	-	1	1	-	5	5	-	4	4	13	10
ORIENT 3	BALD HILL	5	2D	-	1	1	-	1	1	-	5	5	-	4	4	14	6
ORIENT 3	BALD HILL	5	2E	-	1	1	-	1	1	-	5	5	-	1	1	14	10
ORIENT 3	BALD HILL	5	2F	-	2	2	-	1	1	-	5	5	-	1	1	13	6
ORIENT 3	BALD HILL	5	2G	-	1	1	-	1	1	-	5	5	-	4	4	13	6
ORIENT 3	BALD HILL	5	2H	-	1	1	-	1	1	-	5	5	-	4	4	14	6
ORIENT 3	BALD HILL	5	3A	-	1	1	-	1	1	-	1	1	-	5	5	13	6
ORIENT 3	BALD HILL	5	3B	-	1	1	-	1	1	-	5	5	-	2	2	13	3
ORIENT 3	BALD HILL	5	3C	-	1	1	-	1	1	-	5	5	-	1	1	13	6
ORIENT 3	BALD HILL	5	3D	-	1	1	-	1	1	-	5	5	-	1	1	13	3
ORIENT 3	BALD HILL	5	3E	-	1	1	-	1	1	-	5	5	-	2	2	13	6
ORIENT 3	BALD HILL	5	3F	-	1	1	-	1	1	-	5	5	-	2	2	13	3
ORIENT 3	BALD HILL	5	3G	-	1	1	-	1	1	-	5	5	-	1	1	13	6
ORIENT 3	BALD HILL	5	3H	-	1	1	-	1	1	-	5	5	-	1	1	13	6
ORIENT 3	BALD HILL	5	4A	-	1	1	-	1	1	-	1	1	-	5	5	13	6
ORIENT 3	BALD HILL	5	4B	-	1	1	-	1	1	-	5	5	-	2	2	13	6
ORIENT 3	BALD HILL	5	4C	-	1	1	-	1	2	-	5	5	-	1	1	13	3
ORIENT 3	BALD HILL	5	4D	-	1	1	-	2	1	-	5	5	-	1	1	13	3
ORIENT 3	BALD HILL	5	4E	-	2	2	-	1	1	-	5	5	-	2	2	13	3
ORIENT 3	BALD HILL	5	4F	-	1	1	-	1	1	-	3	3	-	5	5	13	6
ORIENT 3	BALD HILL	5	4G	-	1	1	-	1	1	-	5	5	-	1	1	13	6
ORIENT 3	BALD HILL	5	4H	-	1	1	-	1	1	-	5	5	-	1	1	13	3
ORIENT 3	BALD HILL	5	5A	-	2	2	-	1	1	-	1	1	-	5	5	14	10
ORIENT 3	BALD HILL	5	5B	-	1	1	-	1	1	-	3	3	-	5	5	14	10
ORIENT 3	BALD HILL	5	5C	-	1	1	-	1	1	-	5	5	-	1	1	14	6
ORIENT 3	BALD HILL	5	5D	-	1	1	-	1	1	-	5	5	-	1	1	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BALD HILL	5	5E	-	1	1	-	1	1	-	5	5	-	1	1	13	3
ORIENT 3	BALD HILL	5	5F	-	1	1	-	1	1	-	3	3	-	5	5	13	3
ORIENT 3	BALD HILL	5	5G	-	1	1	-	1	1	-	5	5	-	1	1	13	3
ORIENT 3	BALD HILL	5	5H	-	3	3	-	1	1	-	5	5	-	3	3	0	1
ORIENT 3	BALD HILL	5	6A	-	1	1	-	1	1	-	1	1	-	5	5	14	6
ORIENT 3	BALD HILL	5	6B	-	2	2	-	1	1	-	3	3	-	5	5	13	10
ORIENT 3	BALD HILL	5	6C	-	2	2	-	1	1	-	5	5	-	1	1	14	10
ORIENT 3	BALD HILL	5	6D	-	2	2	-	1	1	-	5	5	-	1	1	13	10
ORIENT 3	BALD HILL	5	6E	-	1	1	-	1	1	-	5	5	-	1	1	13	3
ORIENT 3	BALD HILL	5	6F	-	1	1	-	1	1	-	3	3	-	5	5	13	3
ORIENT 3	BALD HILL	5	6G	-	1	1	-	1	1	-	3	3	-	5	5	13	1
ORIENT 3	BALD HILL	5	6H	-	1	1	-	1	1	-	5	5	-	1	1	13	6
ORIENT 3	BALD HILL	5	7A	-	1	1	-	1	1	-	1	1	-	5	5	13	3
ORIENT 3	BALD HILL	5	7B	-	1	1	-	1	1	-	3	3	-	5	5	13	1
ORIENT 3	BALD HILL	5	7C	-	1	1	-	1	1	-	5	5	-	1	1	13	3
ORIENT 3	BALD HILL	5	7D	-	1	1	-	1	2	-	5	5	-	4	4	13	3
ORIENT 3	BALD HILL	5	7E	-	1	1	-	1	1	-	5	5	-	1	1	13	3
ORIENT 3	BALD HILL	5	7F	-	1	1	-	1	1	-	3	3	-	5	5	13	1
ORIENT 3	BALD HILL	5	7G	-	1	1	-	1	1	-	3	3	-	5	5	13	3
ORIENT 3	BALD HILL	5	7H	-	1	1	-	1	1	-	5	5	-	1	1	13	3
ORIENT 3	BALD HILL	5	8A	-	1	1	-	1	1	-	1	1	-	5	5	13	1
ORIENT 3	BALD HILL	5	8B	-	1	1	-	1	1	-	3	3	-	5	5	13	3
ORIENT 3	BALD HILL	5	8C	-	1	1	-	1	2	-	5	5	-	3	3	13	1
ORIENT 3	BALD HILL	5	8D	-	1	1	-	1	1	-	5	5	-	3	3	13	1
ORIENT 3	BALD HILL	5	8E	-	1	1	-	1	1	-	5	5	-	3	3	13	1
ORIENT 3	BALD HILL	5	8F	-	1	1	-	1	1	-	3	3	-	5	5	13	1
ORIENT 3	BALD HILL	5	8G	-	1	1	-	1	1	-	3	3	-	5	5	13	3
ORIENT 3	BALD HILL	5	8H	-	2	2	-	1	1	-	5	5	-	1	1	13	6
ORIENT 3	BALD HILL	8	1A	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BALD HILL	8	1B	2	2	2	3	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	8	1C	1	1	1	1	3	2	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	8	1D	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	8	1E	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	8	1F	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	8	1G	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	8	1H	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	8	2A	1	1	1	3	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BALD HILL	8	2B	2	2	2	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	8	2C	1	1	1	1	1	1	5	5	5	3	3	3	12	1
ORIENT 3	BALD HILL	8	2D	1	1	1	1	1	1	5	5	5	4	4	4	12	3
ORIENT 3	BALD HILL	8	2E	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	8	2F	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	8	2G	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	8	2H	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	8	3A	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BALD HILL	8	3B	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	8	3C	1	1	1	1	1	1	5	5	5	3	3	3	12	1
ORIENT 3	BALD HILL	8	3D	1	1	1	1	1	2	5	5	5	2	2	2	12	3
ORIENT 3	BALD HILL	8	3E	1	1	1	1	1	1	5	5	5	1	1	1	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BALD HILL	8	3F	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	8	3G	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	8	3H	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	8	4A	1	1	1	1	1	1	1	1	1	5	5	5	13	1
ORIENT 3	BALD HILL	8	4B	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	8	4C	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	8	4D	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	8	4E	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	8	4F	1	1	1	2	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	8	4G	1	1	1	1	1	1	2	2	2	5	5	5	14	10
ORIENT 3	BALD HILL	8	4H	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	8	5A	1	1	1	1	1	1	1	1	1	5	5	5	13	1
ORIENT 3	BALD HILL	8	5B	1	1	1	3	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	8	5C	1	1	1	1	1	1	5	5	5	4	4	4	13	3
ORIENT 3	BALD HILL	8	5D	1	1	1	1	1	1	5	5	5	4	4	4	13	10
ORIENT 3	BALD HILL	8	5E	2	2	2	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	8	5F	2	2	2	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	8	5G	1	1	1	1	1	1	3	3	3	5	5	5	14	10
ORIENT 3	BALD HILL	8	5H	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	8	6A	1	1	1	1	1	1	1	1	1	5	5	5	13	1
ORIENT 3	BALD HILL	8	6B	1	1	1	1	1	2	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	8	6C	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	8	6D	1	1	1	1	2	1	5	5	5	4	4	4	13	10
ORIENT 3	BALD HILL	8	6E	2	2	2	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	8	6F	2	2	2	1	1	1	2	2	2	5	5	5	14	6
ORIENT 3	BALD HILL	8	6G	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	8	6H	1	1	1	1	1	1	5	5	5	2	2	2	13	10
ORIENT 3	BALD HILL	8	7A	1	1	1	1	1	1	1	1	1	5	5	5	13	1
ORIENT 3	BALD HILL	8	7B	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	8	7C	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	8	7D	1	1	1	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BALD HILL	8	7E	2	2	2	1	1	1	2	2	2	5	5	5	14	6
ORIENT 3	BALD HILL	8	7F	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	8	7G	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 3	BALD HILL	8	7H	2	2	2	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	8	8A	1	1	1	1	1	1	1	1	1	5	5	5	13	1
ORIENT 3	BALD HILL	9	8B	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	6	8C	4	4	4	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	8	8D	1	1	1	1	1	1	5	5	5	4	4	4	13	10
ORIENT 3	BALD HILL	8	8E	2	2	2	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	8	8F	2	2	2	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	8	8G	1	1	1	1	1	1	3	3	3	5	5	5	14	10
ORIENT 3	BALD HILL	8	8H	1	1	1	1	3	3	5	5	5	3	3	3	72	1
ORIENT 3	BALD HILL	9	1A	1	1	1	2	2	2	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	9	1B	2	2	2	1	1	2	5	5	5	2	2	2	14	10
ORIENT 3	BALD HILL	9	1C	2	2	2	1	1	1	5	5	5	1	1	1	14	6
ORIENT 3	BALD HILL	9	1D	2	2	1	1	1	1	5	5	5	4	4	4	14	6
ORIENT 3	BALD HILL	9	1E	2	2	2	1	1	1	5	5	5	4	4	4	14	10
ORIENT 3	BALD HILL	9	1F	2	2	2	1	1	1	5	5	5	3	3	3	72	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BALD HILL	9	1G	1	1	1	1	1	1	5	5	5	3	3	3	72	1
ORIENT 3	BALD HILL	9	1H	1	1	1	1	1	1	3	3	3	5	5	5	14	10
ORIENT 3	BALD HILL	9	2A	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	9	2B	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	9	2C	2	2	2	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	9	2D	2	2	2	1	1	1	5	5	5	3	3	3	72	1
ORIENT 3	BALD HILL	9	2E	2	2	2	1	1	1	5	5	5	3	3	3	72	1
ORIENT 3	BALD HILL	9	2F	2	2	2	1	1	1	5	5	5	4	4	4	14	10
ORIENT 3	BALD HILL	9	2G	2	2	2	1	1	1	5	5	5	4	4	4	14	10
ORIENT 3	BALD HILL	9	2H	4	4	4	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	9	3A	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	9	3B	2	2	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	9	3C	2	2	2	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	9	3D	2	2	2	1	1	4	5	5	5	3	3	3	72	1
ORIENT 3	BALD HILL	9	3E	2	2	2	1	1	1	5	5	5	4	4	4	14	6
ORIENT 3	BALD HILL	9	3F	1	1	1	1	1	1	5	5	5	2	2	2	14	10
ORIENT 3	BALD HILL	9	3G	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	9	3H	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	9	4A	1	1	1	1	1	1	5	5	5	2	2	2	13	10
ORIENT 3	BALD HILL	9	4B	2	2	2	1	1	1	5	5	5	2	2	2	14	10
ORIENT 3	BALD HILL	9	4C	2	2	2	1	1	1	3	3	3	5	5	5	72	1
ORIENT 3	BALD HILL	9	4D	2	2	2	1	1	1	5	5	5	4	4	4	14	10
ORIENT 3	BALD HILL	9	4E	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	9	4F	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	9	4G	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	9	4H	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	9	5A	2	2	2	1	1	1	5	5	5	1	1	1	14	10
ORIENT 3	BALD HILL	9	5B	2	2	2	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	9	5C	2	2	2	1	1	1	5	5	5	2	2	2	14	10
ORIENT 3	BALD HILL	9	5D	2	2	2	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	9	5E	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	9	5F	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	9	5G	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	9	5H	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	9	6A	2	2	2	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	9	6B	1	1	1	1	1	1	5	5	5	3	3	3	72	1
ORIENT 3	BALD HILL	9	6C	2	2	2	1	1	1	3	3	3	5	5	5	14	10
ORIENT 3	BALD HILL	9	6D	2	2	2	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	9	6E	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	9	6F	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	9	6G	1	1	1	1	1	1	3	5	5	5	1	1	13	3
ORIENT 3	BALD HILL	9	6H	1	1	1	1	1	1	3	5	5	5	2	2	13	6
ORIENT 3	BALD HILL	9	7A	2	2	2	1	1	1	3	3	3	5	5	5	72	1
ORIENT 3	BALD HILL	9	7B	2	2	2	1	1	1	5	5	5	2	2	2	14	10
ORIENT 3	BALD HILL	9	7C	2	2	2	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	9	7D	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	9	7E	1	1	1	1	1	1	2	2	2	5	5	5	13	1
ORIENT 3	BALD HILL	9	7F	2	2	2	1	1	1	2	2	2	5	5	5	13	1
ORIENT 3	BALD HILL	9	7G	1	1	1	1	1	1	2	2	2	5	5	5	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BALD HILL	9	7H	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	9	8A	2	2	2	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	9	8B	2	2	2	1	1	1	5	5	5	1	1	1	14	10
ORIENT 3	BALD HILL	9	8C	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	9	8D	2	2	2	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	9	8E	2	2	2	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	9	8F	2	2	2	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	9	8G	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	9	8H	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	10	1A	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	10	1B	2	2	2	1	1	1	3	3	3	5	5	5	14	10
ORIENT 3	BALD HILL	10	1C	1	1	1	1	1	1	2	2	2	5	5	5	14	10
ORIENT 3	BALD HILL	10	1D	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 3	BALD HILL	10	1E	3	3	3	1	1	1	2	2	2	5	5	5	0	1
ORIENT 3	BALD HILL	10	1F	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	10	1G	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	10	1H	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	10	2A	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	10	2B	2	2	2	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BALD HILL	10	2C	1	1	1	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BALD HILL	10	2D	1	1	1	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BALD HILL	10	2E	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	10	2F	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	10	2G	1	1	1	1	1	1	5	5	5	4	4	4	13	3
ORIENT 3	BALD HILL	10	2H	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	10	3A	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	10	3B	1	1	1	1	1	2	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	10	3C	1	1	1	1	2	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	10	3D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	10	3E	4	4	4	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	10	3F	1	1	1	1	1	1	5	5	5	1	1	1	13	1
ORIENT 3	BALD HILL	10	3G	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	10	3H	2	2	2	1	1	1	5	5	5	3	3	3	14	1
ORIENT 3	BALD HILL	10	4A	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	10	4B	1	1	1	1	1	1	2	2	2	5	5	5	13	1
ORIENT 3	BALD HILL	10	4C	4	4	4	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	10	4D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	10	4E	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	10	4F	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	10	4G	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	10	4H	2	2	2	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	10	5A	4	4	4	1	1	1	2	2	2	5	5	5	533	3
ORIENT 3	BALD HILL	10	5B	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	10	5C	2	2	2	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	10	5D	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	10	5E	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	10	5F	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	10	5G	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	10	5H	1	1	1	1	1	1	2	2	2	5	5	5	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BALD HILL	10	6A	2	2	2	1	1	1	2	2	2	5	5	5	533	3
ORIENT 3	BALD HILL	10	6B	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	10	6C	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	10	6D	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	10	6E	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	10	6F	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	10	6G	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	10	6H	1	1	1	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	10	7A	2	2	2	1	1	1	2	2	2	5	5	5	533	3
ORIENT 3	BALD HILL	10	7B	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	10	7C	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	10	7D	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	10	7E	2	2	2	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	10	7F	1	1	1	1	1	2	5	5	5	3	3	3	14	1
ORIENT 3	BALD HILL	10	7G	1	1	1	3	1	2	5	5	5	4	4	4	13	3
ORIENT 3	BALD HILL	10	7H	1	1	1	1	1	1	5	5	5	4	4	4	13	3
ORIENT 3	BALD HILL	10	8A	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	10	8B	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	10	8C	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	10	8D	1	1	1	1	1	1	2	2	2	5	5	5	13	1
ORIENT 3	BALD HILL	10	8E	2	2	2	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	10	8F	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	10	8G	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	10	8H	2	2	2	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	11	1A	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	11	1B	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	11	1C	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	11	1D	1	1	1	3	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	11	1E	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	11	1F	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	11	1G	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	11	1H	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	11	2A	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	11	2B	1	1	1	1	1	1	5	5	5	4	4	4	13	3
ORIENT 3	BALD HILL	11	2C	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	11	2D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	11	2E	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	11	2F	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	11	2G	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	11	2H	1	1	1	1	1	1	5	5	5	4	4	4	13	3
ORIENT 3	BALD HILL	11	3A	1	1	1	2	1	1	5	5	5	4	4	4	14	3
ORIENT 3	BALD HILL	11	3B	1	1	1	1	1	1	5	5	5	4	4	4	13	3
ORIENT 3	BALD HILL	11	3C	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	11	3D	1	1	1	1	2	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	11	3E	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	11	3F	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	11	3G	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	11	3H	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	11	4A	1	1	1	1	1	1	3	3	3	5	5	5	13	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BALD HILL	11	4B	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	11	4C	2	2	2	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	11	4D	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	11	4E	1	1	1	1	1	1	2	2	2	5	5	5	13	1
ORIENT 3	BALD HILL	11	4F	1	1	1	1	1	1	2	2	2	5	5	5	13	1
ORIENT 3	BALD HILL	11	4G	2	2	2	1	2	1	2	2	2	5	5	5	13	10
ORIENT 3	BALD HILL	11	4H	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	11	5A	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	11	5B	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	11	5C	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	11	5D	1	1	1	1	1	1	3	3	3	5	5	5	14	1
ORIENT 3	BALD HILL	11	5E	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	11	5F	1	1	1	1	1	1	2	2	2	5	5	5	13	1
ORIENT 3	BALD HILL	11	5G	3	3	4	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	11	5H	3	3	3	1	1	1	3	3	3	5	5	5	0	1
ORIENT 3	BALD HILL	11	6A	2	2	2	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	11	6B	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	11	6C	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	11	6D	1	1	1	1	1	1	2	2	2	5	5	5	14	1
ORIENT 3	BALD HILL	11	6E	1	1	4	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	11	6F	1	1	4	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	11	6G	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	11	6H	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	11	7A	1	1	1	1	1	1	5	5	5	4	4	4	13	10
ORIENT 3	BALD HILL	11	7B	1	1	1	1	1	1	5	5	5	4	4	4	13	3
ORIENT 3	BALD HILL	11	7C	1	1	1	1	1	2	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	11	7D	2	2	2	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	11	7E	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	11	7F	1	1	1	1	2	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	11	7G	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	11	7H	2	1	1	1	1	1	2	2	2	5	5	5	13	1
ORIENT 3	BALD HILL	11	8A	1	1	1	1	1	1	5	5	5	4	4	4	13	10
ORIENT 3	BALD HILL	11	8B	1	1	1	2	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	11	8C	1	1	1	1	1	2	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	11	8D	1	1	1	1	1	1	2	2	2	5	5	5	13	1
ORIENT 3	BALD HILL	11	8E	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	11	8F	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	11	8G	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	11	8H	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	13	1A	-	-	1	-	-	1	-	-	5	-	-	1	13	10
ORIENT 3	BALD HILL	13	1B	-	-	2	-	-	1	-	-	5	-	-	1	13	6
ORIENT 3	BALD HILL	13	1C	-	-	1	-	-	1	-	-	3	-	-	5	13	3
ORIENT 3	BALD HILL	13	1D	-	-	1	-	-	1	-	-	2	-	-	5	13	3
ORIENT 3	BALD HILL	13	1E	-	-	4	-	-	1	-	-	2	-	-	5	13	3
ORIENT 3	BALD HILL	13	1F	-	-	4	-	-	1	-	-	3	-	-	5	13	10
ORIENT 3	BALD HILL	13	1G	-	-	4	-	-	1	-	-	2	-	-	5	13	3
ORIENT 3	BALD HILL	13	1H	-	-	2	-	-	1	-	-	3	-	-	5	13	3
ORIENT 3	BALD HILL	13	2A	-	-	2	-	-	2	-	-	5	-	-	1	13	10
ORIENT 3	BALD HILL	13	2B	-	-	1	-	-	2	-	-	5	-	-	4	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BALD HILL	13	2C	-	-	1	-	-	1	-	-	5	-	-	4	13	6
ORIENT 3	BALD HILL	13	2D	-	-	1	-	-	1	-	-	5	-	-	4	13	3
ORIENT 3	BALD HILL	13	2E	-	-	4	-	-	1	-	-	5	-	-	4	13	3
ORIENT 3	BALD HILL	13	2F	-	-	4	-	-	1	-	-	5	-	-	4	13	3
ORIENT 3	BALD HILL	13	2G	-	-	4	-	-	1	-	-	5	-	-	4	12	3
ORIENT 3	BALD HILL	13	2H	-	-	1	-	-	1	-	-	5	-	-	2	13	6
ORIENT 3	BALD HILL	13	3A	-	-	1	-	-	1	-	-	5	-	-	2	13	6
ORIENT 3	BALD HILL	13	3B	-	-	2	-	-	1	-	-	5	-	-	1	13	10
ORIENT 3	BALD HILL	13	3C	-	-	1	-	-	1	-	-	5	-	-	1	13	6
ORIENT 3	BALD HILL	13	3D	-	-	1	-	-	1	-	-	5	-	-	1	12	3
ORIENT 3	BALD HILL	13	3E	-	-	4	-	-	1	-	-	5	-	-	1	13	3
ORIENT 3	BALD HILL	13	3F	-	-	3	-	-	1	-	-	5	-	-	2	0	1
ORIENT 3	BALD HILL	13	3G	-	-	3	-	-	1	-	-	5	-	-	1	0	1
ORIENT 3	BALD HILL	13	3H	-	-	4	-	-	1	-	-	5	-	-	2	13	3
ORIENT 3	BALD HILL	13	4A	-	-	1	-	-	1	-	-	5	-	-	2	13	3
ORIENT 3	BALD HILL	13	4B	-	-	1	-	-	1	-	-	3	-	-	5	13	6
ORIENT 3	BALD HILL	13	4C	-	-	1	-	-	1	-	-	5	-	-	1	13	10
ORIENT 3	BALD HILL	13	4D	-	-	2	-	-	1	-	-	3	-	-	5	13	3
ORIENT 3	BALD HILL	13	4E	-	-	4	-	-	1	-	-	3	-	-	5	13	10
ORIENT 3	BALD HILL	13	4F	-	-	3	-	-	1	-	-	3	-	-	5	0	1
ORIENT 3	BALD HILL	13	4G	-	-	4	-	-	1	-	-	3	-	-	5	13	10
ORIENT 3	BALD HILL	13	4H	-	-	2	-	-	1	-	-	3	-	-	5	13	6
ORIENT 3	BALD HILL	13	5A	-	-	1	-	-	1	-	-	5	-	-	1	13	10
ORIENT 3	BALD HILL	13	5B	-	-	1	-	-	1	-	-	5	-	-	2	14	3
ORIENT 3	BALD HILL	13	5C	-	-	1	-	-	1	-	-	5	-	-	2	14	10
ORIENT 3	BALD HILL	13	5D	-	-	1	-	-	1	-	-	5	-	-	3	72	1
ORIENT 3	BALD HILL	13	5E	-	-	2	-	-	1	-	-	5	-	-	1	14	10
ORIENT 3	BALD HILL	13	5F	-	-	1	-	-	1	-	-	5	-	-	1	14	10
ORIENT 3	BALD HILL	13	5G	-	-	2	-	-	1	-	-	5	-	-	1	13	10
ORIENT 3	BALD HILL	13	5H	-	-	1	-	-	1	-	-	5	-	-	1	14	6
ORIENT 3	BALD HILL	13	6A	-	-	1	-	-	1	-	-	5	-	-	1	13	3
ORIENT 3	BALD HILL	13	6B	-	-	1	-	-	1	-	-	5	-	-	1	13	10
ORIENT 3	BALD HILL	13	6C	-	-	1	-	-	1	-	-	3	-	-	5	13	6
ORIENT 3	BALD HILL	13	6D	-	-	1	-	-	1	-	-	5	-	-	4	13	6
ORIENT 3	BALD HILL	13	6E	-	-	2	-	-	1	-	-	5	-	-	4	14	10
ORIENT 3	BALD HILL	13	6F	-	-	2	-	-	1	-	-	5	-	-	4	14	10
ORIENT 3	BALD HILL	13	6G	-	-	2	-	-	1	-	-	5	-	-	4	72	1
ORIENT 3	BALD HILL	13	6H	-	-	2	-	-	1	-	-	5	-	-	2	72	1
ORIENT 3	BALD HILL	13	7A	-	-	1	-	-	1	-	-	5	-	-	1	13	3
ORIENT 3	BALD HILL	13	7B	-	-	1	-	-	1	-	-	5	-	-	1	13	3
ORIENT 3	BALD HILL	13	7C	-	-	1	-	-	1	-	-	3	-	-	5	13	6
ORIENT 3	BALD HILL	13	7D	-	-	1	-	-	1	-	-	5	-	-	1	13	6
ORIENT 3	BALD HILL	13	7E	-	-	2	-	-	1	-	-	5	-	-	4	13	10
ORIENT 3	BALD HILL	13	7F	-	-	2	-	-	1	-	-	5	-	-	4	14	10
ORIENT 3	BALD HILL	13	7G	-	-	2	-	-	1	-	-	5	-	-	3	72	1
ORIENT 3	BALD HILL	13	7H	-	-	2	-	-	1	-	-	5	-	-	3	72	1
ORIENT 3	BALD HILL	13	8A	-	-	1	-	-	1	-	-	5	-	-	1	13	3
ORIENT 3	BALD HILL	13	8B	-	-	1	-	-	1	-	-	5	-	-	2	13	6
ORIENT 3	BALD HILL	13	8C	-	-	1	-	-	1	-	-	5	-	-	1	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BALD HILL	13	8D	-	-	2	-	-	1	-	-	5	-	-	2	13	10
ORIENT 3	BALD HILL	13	8E	-	-	2	-	-	1	-	-	2	-	-	5	13	10
ORIENT 3	BALD HILL	13	8F	-	-	2	-	-	1	-	-	5	-	-	1	14	10
ORIENT 3	BALD HILL	13	8G	-	-	2	-	-	1	-	-	5	-	-	1	13	10
ORIENT 3	BALD HILL	13	8H	-	-	2	-	-	1	-	-	5	-	-	1	13	10
ORIENT 3	BALD HILL	14	1A	1	1	1	1	1	2	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	14	1B	1	1	1	1	2	1	5	5	5	4	4	4	13	3
ORIENT 3	BALD HILL	14	1C	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	14	1D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	14	1E	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	14	1F	1	1	1	1	1	2	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	14	1G	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	14	1H	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	14	2A	1	1	1	1	2	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	14	2B	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	14	2C	1	1	1	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	14	2D	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	14	2E	2	2	2	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	14	2F	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	14	2G	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	14	2H	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	14	3A	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	14	3B	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	14	3C	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	14	3D	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	14	3E	1	1	1	3	1	2	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	14	3F	1	1	1	3	1	2	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	14	3G	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	14	3H	1	1	1	1	1	1	5	5	5	2	2	2	13	10
ORIENT 3	BALD HILL	14	4A	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	14	4B	1	1	1	1	1	1	5	5	5	3	3	3	72	1
ORIENT 3	BALD HILL	14	4C	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	14	4D	1	1	1	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BALD HILL	14	4E	1	1	1	1	1	1	2	2	2	5	5	5	13	1
ORIENT 3	BALD HILL	14	4F	2	2	2	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	14	4G	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	14	4H	1	1	1	1	1	2	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	14	5A	1	1	1	1	1	2	5	5	5	1	1	1	14	6
ORIENT 3	BALD HILL	14	5B	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	14	5C	1	1	1	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BALD HILL	14	5D	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	14	5E	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	14	5F	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	14	5G	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	14	5H	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	14	6A	1	1	1	3	2	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	14	6B	1	1	1	1	2	2	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	14	6C	1	1	1	1	2	1	2	2	2	5	5	5	13	10
ORIENT 3	BALD HILL	14	6D	2	2	2	1	1	1	2	2	2	5	5	5	13	10

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BALD HILL	14	6E	2	2	2	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	14	6F	3	3	3	1	1	1	2	2	2	5	5	5	0	1
ORIENT 3	BALD HILL	14	6G	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	14	6H	1	1	1	1	1	1	2	2	2	5	5	5	13	1
ORIENT 3	BALD HILL	14	7A	2	2	2	1	1	1	5	5	5	3	3	3	72	1
ORIENT 3	BALD HILL	14	7B	1	1	1	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	14	7C	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	14	7D	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	14	7E	1	1	1	1	1	2	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	14	7F	1	1	1	1	1	2	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	14	7G	1	1	1	1	3	2	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	14	7H	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	14	8A	2	2	2	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	14	8B	1	1	1	1	1	1	5	5	5	1	1	1	14	3
ORIENT 3	BALD HILL	14	8C	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	14	8D	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	14	8E	2	2	2	2	1	1	2	2	2	5	5	5	13	1
ORIENT 3	BALD HILL	14	8F	1	1	1	3	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	14	8G	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	14	8H	1	1	1	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BALD HILL	15	1A	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	15	1B	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	15	1C	2	2	2	1	1	1	2	2	2	5	5	5	14	3
ORIENT 3	BALD HILL	15	1D	1	1	1	1	1	1	5	5	5	1	1	1	72	1
ORIENT 3	BALD HILL	15	1E	2	2	2	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	15	1F	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	15	1G	1	1	1	1	1	2	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	15	1H	1	1	1	1	1	1	5	5	5	4	4	4	14	3
ORIENT 3	BALD HILL	15	2A	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	15	2B	2	2	2	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	15	2C	2	2	2	1	1	1	5	5	5	1	1	1	14	6
ORIENT 3	BALD HILL	15	2D	1	1	1	2	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	15	2E	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	15	2F	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	15	2G	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	15	2H	1	1	1	1	1	1	5	5	5	4	4	4	14	6
ORIENT 3	BALD HILL	15	3A	1	1	1	1	1	1	5	5	5	1	1	1	14	6
ORIENT 3	BALD HILL	15	3B	2	2	1	1	1	1	5	5	5	3	3	3	72	1
ORIENT 3	BALD HILL	15	3C	1	1	1	1	1	1	5	5	5	4	4	4	14	6
ORIENT 3	BALD HILL	15	3D	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	15	3E	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	15	3F	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	15	3G	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	15	3H	1	1	1	1	1	1	5	5	5	3	3	3	72	1
ORIENT 3	BALD HILL	15	4A	1	1	1	1	1	1	5	5	5	1	1	1	14	10
ORIENT 3	BALD HILL	15	4B	2	2	2	1	1	1	5	5	5	4	4	4	13	10
ORIENT 3	BALD HILL	15	4C	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	15	4D	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	15	4E	1	1	1	1	1	1	3	3	3	5	5	5	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BALD HILL	15	4F	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	15	4G	1	1	1	1	1	1	3	3	3	5	5	5	14	10
ORIENT 3	BALD HILL	15	4H	1	1	1	1	1	2	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	15	5A	1	1	1	1	1	1	3	3	3	5	5	5	72	1
ORIENT 3	BALD HILL	15	5B	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	15	5C	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	15	5D	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 3	BALD HILL	15	5E	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	15	5F	1	1	1	2	1	1	5	5	5	1	1	1	14	3
ORIENT 3	BALD HILL	15	5G	1	1	1	1	3	2	5	5	5	1	1	1	14	6
ORIENT 3	BALD HILL	15	5H	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	15	6A	1	1	1	1	1	1	5	5	5	3	3	3	72	1
ORIENT 3	BALD HILL	15	6B	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	15	6C	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	15	6D	1	1	1	1	1	1	2	2	2	5	5	5	14	3
ORIENT 3	BALD HILL	15	6E	2	2	2	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	15	6F	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	15	6G	1	1	1	1	1	1	5	5	5	3	3	3	72	1
ORIENT 3	BALD HILL	15	6H	1	1	1	1	1	1	5	5	5	3	3	3	72	1
ORIENT 3	BALD HILL	15	7A	1	1	1	1	1	2	5	5	5	3	3	3	72	1
ORIENT 3	BALD HILL	15	7B	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BALD HILL	15	7C	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BALD HILL	15	7D	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	15	7E	1	1	1	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	15	7F	1	1	1	1	1	1	5	5	5	4	4	4	72	1
ORIENT 3	BALD HILL	15	7G	2	2	2	1	1	1	5	5	5	4	4	4	14	10
ORIENT 3	BALD HILL	15	7H	1	1	1	1	1	1	5	5	5	4	4	4	14	3
ORIENT 3	BALD HILL	15	8A	1	1	1	1	1	1	5	5	5	1	1	1	14	10
ORIENT 3	BALD HILL	15	8B	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	15	8C	2	2	2	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	15	8D	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	15	8E	2	2	2	1	1	1	5	5	5	3	3	3	72	1
ORIENT 3	BALD HILL	15	8F	2	2	2	1	1	1	5	5	5	1	1	1	14	10
ORIENT 3	BALD HILL	15	8G	1	1	1	1	1	1	5	5	5	1	1	1	14	6
ORIENT 3	BALD HILL	15	8H	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	16	1A	2	2	2	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	16	1B	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	16	1C	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	16	1D	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	16	1E	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	16	1F	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	16	1G	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	16	1H	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	16	2A	1	1	1	1	1	1	5	5	5	2	2	2	14	10
ORIENT 3	BALD HILL	16	2B	1	1	1	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BALD HILL	16	2C	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	16	2D	1	1	1	1	1	2	2	2	2	5	5	5	13	3
ORIENT 3	BALD HILL	16	2E	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	16	2F	1	1	1	1	1	1	5	5	5	1	1	1	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BALD HILL	16	2G	1	1	1	1	1	1	5	5	5	1	1	1	14	3
ORIENT 3	BALD HILL	16	2H	1	1	1	1	1	1	2	2	2	5	5	5	14	10
ORIENT 3	BALD HILL	16	3A	1	1	1	1	1	1	2	2	2	5	5	5	14	10
ORIENT 3	BALD HILL	16	3B	3	3	3	1	1	1	2	2	2	5	5	5	0	1
ORIENT 3	BALD HILL	16	3C	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	16	3D	1	1	1	2	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	16	3E	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BALD HILL	16	3F	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BALD HILL	16	3G	1	1	1	1	1	1	5	5	5	1	1	1	14	10
ORIENT 3	BALD HILL	16	3H	1	1	1	1	1	1	5	5	5	1	1	1	14	6
ORIENT 3	BALD HILL	16	4A	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	16	4B	2	2	2	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BALD HILL	16	4C	2	2	2	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	16	4D	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BALD HILL	16	4E	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	16	4F	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	16	4G	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	16	4H	2	2	2	1	1	1	3	3	3	5	5	5	14	10
ORIENT 3	BALD HILL	16	5A	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BALD HILL	16	5B	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 3	BALD HILL	16	5C	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BALD HILL	16	5D	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BALD HILL	16	5E	1	1	1	2	2	2	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	16	5F	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BALD HILL	16	5G	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BALD HILL	16	5H	1	1	1	1	1	2	3	3	3	5	5	5	14	6
ORIENT 3	BALD HILL	16	6A	1	1	1	1	1	1	1	1	1	5	5	5	13	10
ORIENT 3	BALD HILL	16	6B	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 3	BALD HILL	16	6C	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BALD HILL	16	6D	1	1	1	1	1	1	2	2	2	5	5	5	14	6
ORIENT 3	BALD HILL	16	6E	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	16	6F	1	1	1	1	1	1	5	5	5	2	2	2	14	6
ORIENT 3	BALD HILL	16	6G	1	1	1	1	1	1	2	2	2	5	5	5	14	10
ORIENT 3	BALD HILL	16	6H	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BALD HILL	16	7A	2	2	2	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BALD HILL	16	7B	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BALD HILL	16	7C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BALD HILL	16	7D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BALD HILL	16	7E	1	1	1	1	1	1	5	5	5	1	1	1	14	10
ORIENT 3	BALD HILL	16	7F	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BALD HILL	16	7G	2	2	2	1	1	1	2	2	2	5	5	5	14	10
ORIENT 3	BALD HILL	16	7H	2	2	2	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BALD HILL	16	8A	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BALD HILL	16	8B	2	2	2	1	1	1	1	1	1	5	5	5	12	3
ORIENT 3	BALD HILL	16	8C	1	1	1	1	1	1	1	1	1	5	5	5	13	1
ORIENT 3	BALD HILL	16	8D	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BALD HILL	16	8E	1	1	1	1	1	1	1	1	1	5	5	5	14	10
ORIENT 3	BALD HILL	16	8F	1	1	1	1	1	1	3	3	3	5	5	5	14	10
ORIENT 3	BALD HILL	16	8G	2	2	2	1	1	1	2	2	2	5	5	5	14	10

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BALD HILL	16	8H	2	2	2	1	1	1	5	5	5	1	1	1	14	10
ORIENT 3	BLISSVILLE	26	1A	1	1	1	1	1	1	1	1	1	5	5	5	13	10
ORIENT 3	BLISSVILLE	26	1B	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	26	1C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	1D	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	1E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	1F	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	26	1G	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	26	1H	1	1	1	1	1	1	1	1	1	5	5	5	13	1
ORIENT 3	BLISSVILLE	26	2A	2	2	2	1	1	1	1	1	1	5	5	5	14	6
ORIENT 3	BLISSVILLE	26	2B	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	26	2C	1	1	1	1	1	1	1	1	1	5	5	5	13	1
ORIENT 3	BLISSVILLE	26	2D	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	2E	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	26	2F	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	26	2G	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	26	2H	1	1	1	1	1	1	1	1	1	5	5	5	4	3
ORIENT 3	BLISSVILLE	26	3A	1	1	1	1	1	1	1	1	1	5	5	5	13	1
ORIENT 3	BLISSVILLE	26	3B	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	26	3C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	3D	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	3E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	3F	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	3G	2	2	2	1	1	1	1	1	1	5	5	5	13	1
ORIENT 3	BLISSVILLE	26	3H	2	2	2	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	26	4A	1	1	1	1	1	1	1	1	1	5	5	5	12	10
ORIENT 3	BLISSVILLE	26	4B	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	4C	1	1	1	1	1	1	1	1	1	5	5	5	13	1
ORIENT 3	BLISSVILLE	26	4D	1	1	1	1	1	1	1	1	1	5	5	5	13	1
ORIENT 3	BLISSVILLE	26	4E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	4F	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	4G	2	2	2	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	26	4H	1	1	1	1	1	1	1	1	1	5	5	5	4	3
ORIENT 3	BLISSVILLE	26	5A	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	26	5B	1	1	1	1	1	1	1	1	1	5	5	5	14	10
ORIENT 3	BLISSVILLE	26	5C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	5D	1	1	1	1	1	1	1	1	1	5	5	5	13	1
ORIENT 3	BLISSVILLE	26	5E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	5F	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	5G	1	1	1	1	1	1	1	1	1	5	5	5	13	1
ORIENT 3	BLISSVILLE	26	5H	2	2	2	1	1	1	1	1	1	5	5	5	4	3
ORIENT 3	BLISSVILLE	26	6A	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	6B	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	26	6C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	6D	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	6E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	6F	1	1	1	1	1	1	1	1	1	5	5	5	4	3
ORIENT 3	BLISSVILLE	26	6G	1	1	1	1	1	1	1	1	1	5	5	5	4	3
ORIENT 3	BLISSVILLE	26	6H	1	1	1	1	1	1	1	1	1	5	5	5	4	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BLISSVILLE	26	7A	1	1	1	1	1	2	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	7B	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	7C	1	1	1	1	1	4	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	26	7D	1	1	1	1	2	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	26	7E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	26	7F	1	1	1	1	1	1	1	1	1	5	5	5	4	3
ORIENT 3	BLISSVILLE	26	7G	1	1	1	1	1	1	1	1	1	5	5	5	3	1
ORIENT 3	BLISSVILLE	26	7H	1	1	1	1	1	1	1	1	1	5	5	5	3	1
ORIENT 3	BLISSVILLE	26	8A	1	1	1	1	2	1	5	5	5	1	1	1	13	3
ORIENT 3	BLISSVILLE	26	8B	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	26	8C	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	26	8D	1	1	1	1	2	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	8E	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	26	8F	1	1	1	1	1	1	1	1	1	5	5	5	4	3
ORIENT 3	BLISSVILLE	26	8G	1	1	1	1	1	1	1	1	1	5	5	5	4	3
ORIENT 3	BLISSVILLE	26	8H	1	1	1	1	1	1	1	1	1	5	5	5	3	1
ORIENT 3	BLISSVILLE	27	1A	1	1	1	1	1	1	1	1	1	5	5	5	13	10
ORIENT 3	BLISSVILLE	27	1B	2	2	2	1	1	1	1	1	1	5	5	5	13	10
ORIENT 3	BLISSVILLE	27	1C	1	1	1	1	1	1	1	1	1	5	5	5	13	10
ORIENT 3	BLISSVILLE	27	1D	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 3	BLISSVILLE	27	1E	1	1	1	1	1	1	1	1	1	5	5	5	72	1
ORIENT 3	BLISSVILLE	27	1F	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 3	BLISSVILLE	27	1G	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	1H	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	27	2A	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	27	2B	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	2C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	2D	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 3	BLISSVILLE	27	2E	1	1	1	1	1	1	1	1	1	5	5	5	13	10
ORIENT 3	BLISSVILLE	27	2F	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	2G	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	2H	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	27	3A	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	3B	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	3C	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	27	3D	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	27	3E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	3F	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	3G	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	27	3H	2	2	2	1	1	1	1	1	1	5	5	5	72	1
ORIENT 3	BLISSVILLE	27	4A	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	4B	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	4C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	4D	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	4E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	4F	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 3	BLISSVILLE	27	4G	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 3	BLISSVILLE	27	4H	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 3	BLISSVILLE	27	5A	1	1	1	1	1	1	1	1	1	5	5	5	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BLISSVILLE	27	5B	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	5C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	5D	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	5E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	5F	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 3	BLISSVILLE	27	5G	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 3	BLISSVILLE	27	5H	1	1	1	1	1	1	1	1	1	5	5	5	13	10
ORIENT 3	BLISSVILLE	27	6A	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	6B	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	27	6C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	6D	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	6E	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	27	6F	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 3	BLISSVILLE	27	6G	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 3	BLISSVILLE	27	6H	1	1	1	1	1	1	1	1	1	5	5	5	13	10
ORIENT 3	BLISSVILLE	27	7A	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	7B	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	27	7C	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	27	7D	1	1	1	1	1	1	1	1	1	5	5	5	13	10
ORIENT 3	BLISSVILLE	27	7E	2	2	2	1	1	1	1	1	1	5	5	5	14	6
ORIENT 3	BLISSVILLE	27	7F	2	2	2	1	1	1	1	1	1	5	5	5	72	1
ORIENT 3	BLISSVILLE	27	7G	2	2	2	1	1	1	1	1	1	5	5	5	14	10
ORIENT 3	BLISSVILLE	27	7H	3	3	3	1	1	1	1	1	1	5	5	5	0	1
ORIENT 3	BLISSVILLE	27	8A	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BLISSVILLE	27	8B	1	1	1	1	1	2	5	5	5	1	1	1	13	10
ORIENT 3	BLISSVILLE	27	8C	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	27	8D	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BLISSVILLE	27	8E	2	2	2	1	1	1	3	3	3	5	5	5	14	10
ORIENT 3	BLISSVILLE	27	8F	2	2	2	1	1	2	5	5	5	2	2	2	14	6
ORIENT 3	BLISSVILLE	27	8G	1	1	1	1	2	3	2	2	2	5	5	5	13	6
ORIENT 3	BLISSVILLE	27	8H	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BLISSVILLE	32	1A	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 3	BLISSVILLE	32	1B	1	-	-	1	-	-	1	-	-	5	-	-	13	10
ORIENT 3	BLISSVILLE	32	1C	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 3	BLISSVILLE	32	1D	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 3	BLISSVILLE	32	1E	1	-	-	1	-	-	1	-	-	5	-	-	13	1
ORIENT 3	BLISSVILLE	32	1F	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 3	BLISSVILLE	32	1G	2	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 3	BLISSVILLE	32	1H	1	-	-	1	-	-	1	-	-	5	-	-	12	1
ORIENT 3	BLISSVILLE	32	2A	1	-	-	1	-	-	1	-	-	5	-	-	72	1
ORIENT 3	BLISSVILLE	32	2B	1	-	-	1	-	-	1	-	-	5	-	-	13	6
ORIENT 3	BLISSVILLE	32	2C	2	-	-	1	-	-	1	-	-	5	-	-	13	6
ORIENT 3	BLISSVILLE	32	2D	1	-	-	1	-	-	1	-	-	5	-	-	13	1
ORIENT 3	BLISSVILLE	32	2E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 3	BLISSVILLE	32	2F	2	-	-	1	-	-	1	-	-	5	-	-	13	6
ORIENT 3	BLISSVILLE	32	2G	1	-	-	1	-	-	1	-	-	5	-	-	12	3
ORIENT 3	BLISSVILLE	32	2H	1	-	-	1	-	-	1	-	-	5	-	-	12	1
ORIENT 3	BLISSVILLE	32	3A	1	-	-	1	-	-	1	-	-	5	-	-	72	1
ORIENT 3	BLISSVILLE	32	3B	1	-	-	1	-	-	1	-	-	5	-	-	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BLISSVILLE	32	3C	1	-	-	1	-	-	1	-	-	5	-	-	14	10
ORIENT 3	BLISSVILLE	32	3D	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 3	BLISSVILLE	32	3E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 3	BLISSVILLE	32	3F	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 3	BLISSVILLE	32	3G	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 3	BLISSVILLE	32	3H	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 3	BLISSVILLE	32	4A	2	-	-	1	-	-	1	-	-	5	-	-	14	10
ORIENT 3	BLISSVILLE	32	4B	1	-	-	1	-	-	1	-	-	5	-	-	13	6
ORIENT 3	BLISSVILLE	32	4C	2	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 3	BLISSVILLE	32	4D	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 3	BLISSVILLE	32	4E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 3	BLISSVILLE	32	4F	1	-	-	1	-	-	3	-	-	5	-	-	533	3
ORIENT 3	BLISSVILLE	32	4G	1	-	-	1	-	-	3	-	-	5	-	-	13	3
ORIENT 3	BLISSVILLE	32	4H	1	-	-	1	-	-	3	-	-	5	-	-	13	6
ORIENT 3	BLISSVILLE	32	5A	2	-	-	1	-	-	1	-	-	5	-	-	72	1
ORIENT 3	BLISSVILLE	32	5B	1	-	-	1	-	-	1	-	-	5	-	-	14	10
ORIENT 3	BLISSVILLE	32	5C	1	-	-	1	-	-	1	-	-	5	-	-	13	6
ORIENT 3	BLISSVILLE	32	5D	4	-	-	1	-	-	1	-	-	5	-	-	13	6
ORIENT 3	BLISSVILLE	32	5E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 3	BLISSVILLE	32	5F	1	-	-	1	-	-	1	-	-	5	-	-	13	6
ORIENT 3	BLISSVILLE	32	5G	1	-	-	1	-	-	1	-	-	5	-	-	14	10
ORIENT 3	BLISSVILLE	32	5H	1	-	-	1	-	-	1	-	-	5	-	-	13	10
ORIENT 3	BLISSVILLE	32	6A	2	-	-	1	-	-	1	-	-	5	-	-	72	1
ORIENT 3	BLISSVILLE	32	6B	1	-	-	1	-	-	1	-	-	5	-	-	13	10
ORIENT 3	BLISSVILLE	32	6C	1	-	-	1	-	-	1	-	-	5	-	-	13	6
ORIENT 3	BLISSVILLE	32	6D	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 3	BLISSVILLE	32	6E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 3	BLISSVILLE	32	6F	2	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 3	BLISSVILLE	32	6G	1	-	-	1	-	-	1	-	-	5	-	-	14	10
ORIENT 3	BLISSVILLE	32	6H	1	-	-	1	-	-	1	-	-	5	-	-	13	6
ORIENT 3	BLISSVILLE	32	7A	2	-	-	1	-	-	1	-	-	5	-	-	13	6
ORIENT 3	BLISSVILLE	32	7B	1	-	-	1	-	-	1	-	-	5	-	-	13	6
ORIENT 3	BLISSVILLE	32	7C	4	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 3	BLISSVILLE	32	7D	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 3	BLISSVILLE	32	7E	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 3	BLISSVILLE	32	7F	1	-	-	1	-	-	1	-	-	5	-	-	14	10
ORIENT 3	BLISSVILLE	32	7G	1	-	-	1	-	-	1	-	-	5	-	-	14	10
ORIENT 3	BLISSVILLE	32	7H	2	-	-	1	-	-	1	-	-	5	-	-	72	1
ORIENT 3	BLISSVILLE	32	8A	2	-	-	1	-	-	1	-	-	5	-	-	14	10
ORIENT 3	BLISSVILLE	32	8B	1	-	-	1	-	-	1	-	-	5	-	-	72	1
ORIENT 3	BLISSVILLE	32	8C	1	-	-	1	-	-	1	-	-	5	-	-	72	1
ORIENT 3	BLISSVILLE	32	8D	1	-	-	1	-	-	1	-	-	5	-	-	72	1
ORIENT 3	BLISSVILLE	32	8E	1	-	-	1	-	-	1	-	-	5	-	-	14	10
ORIENT 3	BLISSVILLE	32	8F	2	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 3	BLISSVILLE	32	8G	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 3	BLISSVILLE	32	8H	2	-	-	1	-	-	1	-	-	5	-	-	13	6
ORIENT 3	BLISSVILLE	33	1A	1	1	1	1	1	1	1	1	1	5	5	5	13	1
ORIENT 3	BLISSVILLE	33	1B	1	1	1	1	1	1	1	1	1	5	5	5	3	3
ORIENT 3	BLISSVILLE	33	1C	1	1	1	1	1	1	1	1	1	5	5	5	2	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BLISSVILLE	33	1D	1	1	1	1	1	1	1	1	1	5	5	5	3	1
ORIENT 3	BLISSVILLE	33	1E	1	1	1	1	1	1	5	5	5	3	3	3	3	1
ORIENT 3	BLISSVILLE	33	1F	3	3	3	1	1	1	5	5	5	3	3	3	0	1
ORIENT 3	BLISSVILLE	33	1G	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	1H	1	1	1	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BLISSVILLE	33	2A	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	2B	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	2C	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	2D	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	2E	1	1	1	1	1	1	3	3	3	5	5	5	4	3
ORIENT 3	BLISSVILLE	33	2F	1	1	1	1	1	1	5	5	5	1	1	1	4	6
ORIENT 3	BLISSVILLE	33	2G	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	2H	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	3A	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	3B	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	3C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	3D	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	3E	1	1	1	2	1	2	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	3F	1	1	1	1	2	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	3G	1	1	1	1	2	1	2	2	2	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	3H	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	4A	1	1	1	1	2	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	4B	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	4C	1	1	1	1	2	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	4D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	4E	1	1	1	1	2	2	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	4F	1	1	1	1	2	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	4G	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	4H	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BLISSVILLE	33	5A	1	1	1	1	1	1	1	1	1	5	5	5	13	10
ORIENT 3	BLISSVILLE	33	5B	1	1	1	1	1	2	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	5C	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	5D	2	2	2	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	5E	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	5F	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	5G	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	5H	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	6A	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	6B	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	6C	1	1	1	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BLISSVILLE	33	6D	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	6E	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	6F	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	6G	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	6H	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	7A	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	7B	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	7C	1	1	1	1	1	2	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	7D	1	1	1	1	1	2	3	3	3	5	5	5	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BLISSVILLE	33	7E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	7F	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	7G	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	7H	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	8A	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	8B	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	8C	1	1	1	1	1	2	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	33	8D	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BLISSVILLE	33	8E	1	1	1	1	1	2	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	33	8F	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BLISSVILLE	33	8G	2	2	2	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BLISSVILLE	33	8H	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	1A	1	1	1	1	2	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	1B	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	1C	1	1	1	1	1	1	5	5	5	2	2	2	14	10
ORIENT 3	BLISSVILLE	34	1D	1	1	1	1	1	1	5	5	5	1	1	1	14	6
ORIENT 3	BLISSVILLE	34	1E	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	34	1F	1	1	1	1	1	1	5	5	5	2	2	2	13	10
ORIENT 3	BLISSVILLE	34	1G	1	1	1	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BLISSVILLE	34	1H	2	2	2	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	2A	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	34	2B	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	2C	1	1	1	1	1	1	5	5	5	1	1	1	14	6
ORIENT 3	BLISSVILLE	34	2D	2	2	2	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	34	2E	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BLISSVILLE	34	2F	2	2	2	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BLISSVILLE	34	2G	2	2	2	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	2H	2	2	2	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	3A	2	2	2	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	3B	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	3C	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	3D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	34	3E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	3F	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	3G	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	3H	2	2	2	1	1	1	3	3	3	5	5	5	13	10
ORIENT 3	BLISSVILLE	34	4A	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	34	4B	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	4C	2	2	2	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	34	4D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	34	4E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	4F	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	4G	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	4H	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	34	5A	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	34	5B	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	34	5C	3	3	3	1	1	1	3	3	3	5	5	5	0	1
ORIENT 3	BLISSVILLE	34	5D	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	34	5E	1	1	1	1	1	1	2	2	2	5	5	5	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BLISSVILLE	34	5F	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	5G	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	5H	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BLISSVILLE	34	6A	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BLISSVILLE	34	6B	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BLISSVILLE	34	6C	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	6D	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	6E	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	34	6F	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	34	6G	3	3	3	1	1	1	2	2	2	5	5	5	0	1
ORIENT 3	BLISSVILLE	34	6H	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BLISSVILLE	34	7A	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BLISSVILLE	34	7B	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BLISSVILLE	34	7C	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	7D	1	1	1	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BLISSVILLE	34	7E	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	7F	1	1	1	1	2	2	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	34	7G	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	34	7H	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BLISSVILLE	34	8A	1	1	1	1	1	1	5	5	5	2	2	2	13	6
ORIENT 3	BLISSVILLE	34	8B	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	34	8C	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	8D	2	2	2	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BLISSVILLE	34	8E	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	34	8F	1	1	1	1	2	1	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	34	8G	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	34	8H	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BLISSVILLE	35	1A	1	1	1	1	1	2	5	5	5	1	1	1	13	3
ORIENT 3	BLISSVILLE	35	1B	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	35	1C	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	35	1D	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BLISSVILLE	35	1E	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BLISSVILLE	35	1F	1	1	1	1	1	1	1	1	1	5	5	5	4	1
ORIENT 3	BLISSVILLE	35	1G	1	1	1	1	1	1	1	1	1	5	5	5	4	1
ORIENT 3	BLISSVILLE	35	1H	2	2	2	1	1	1	1	1	1	5	5	5	3	6
ORIENT 3	BLISSVILLE	35	2A	1	1	1	1	2	4	5	5	5	2	2	2	13	3
ORIENT 3	BLISSVILLE	35	2B	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	35	2C	1	1	1	2	2	2	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	35	2D	1	1	1	1	2	2	5	5	5	2	2	2	13	3
ORIENT 3	BLISSVILLE	35	2E	1	1	1	1	1	1	3	3	3	5	5	5	4	3
ORIENT 3	BLISSVILLE	35	2F	1	1	1	1	1	1	1	1	1	5	5	5	4	1
ORIENT 3	BLISSVILLE	35	2G	1	1	1	1	1	1	1	1	1	5	5	5	4	1
ORIENT 3	BLISSVILLE	35	2H	1	1	1	1	1	1	1	1	1	5	5	5	4	3
ORIENT 3	BLISSVILLE	35	3A	2	2	2	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	35	3B	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BLISSVILLE	35	3C	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	35	3D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	35	3E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	35	3F	1	1	1	1	1	1	1	1	1	5	5	5	4	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BLISSVILLE	35	3G	1	1	1	1	1	1	1	1	1	5	5	5	4	3
ORIENT 3	BLISSVILLE	35	3H	1	1	1	1	1	1	1	1	1	5	5	5	4	3
ORIENT 3	BLISSVILLE	35	4A	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	35	4B	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BLISSVILLE	35	4C	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	35	4D	1	1	1	2	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	35	4E	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	35	4F	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	35	4G	1	1	1	1	1	1	3	3	3	5	5	5	4	3
ORIENT 3	BLISSVILLE	35	4H	1	1	1	1	1	1	3	3	3	5	5	5	4	3
ORIENT 3	BLISSVILLE	35	5A	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BLISSVILLE	35	5B	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	35	5C	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	35	5D	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	35	5E	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BLISSVILLE	35	5F	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BLISSVILLE	35	5G	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BLISSVILLE	35	5H	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	35	6A	1	1	1	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BLISSVILLE	35	6B	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BLISSVILLE	35	6C	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	35	6D	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	35	6E	2	2	2	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BLISSVILLE	35	6F	1	1	1	2	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	35	6G	1	1	1	1	1	1	5	5	5	4	4	4	13	3
ORIENT 3	BLISSVILLE	35	6H	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BLISSVILLE	35	7A	2	2	2	1	1	1	5	5	5	3	3	3	13	1
ORIENT 3	BLISSVILLE	35	7B	1	1	1	1	1	2	5	5	5	4	4	4	13	3
ORIENT 3	BLISSVILLE	35	7C	1	1	1	1	1	2	5	5	5	3	3	3	13	1
ORIENT 3	BLISSVILLE	35	7D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	35	7E	2	2	2	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	35	7F	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	35	7G	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BLISSVILLE	35	7H	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BLISSVILLE	35	8A	2	2	2	1	1	1	5	5	5	2	2	2	13	3
ORIENT 3	BLISSVILLE	35	8B	1	1	1	1	1	2	5	5	5	2	2	2	13	3
ORIENT 3	BLISSVILLE	35	8C	1	1	1	1	1	1	3	3	3	5	5	5	13	1
ORIENT 3	BLISSVILLE	35	8D	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	35	8E	2	2	2	1	1	1	2	2	2	5	5	5	13	10
ORIENT 3	BLISSVILLE	35	8F	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	35	8G	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BLISSVILLE	35	8H	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BLISSVILLE	36	1A	1	1	1	1	1	1	1	1	1	5	5	5	4	3
ORIENT 3	BLISSVILLE	36	1B	1	1	1	1	1	1	1	1	1	5	5	5	4	6
ORIENT 3	BLISSVILLE	36	1C	1	1	1	1	1	1	2	2	2	5	5	5	13	6
ORIENT 3	BLISSVILLE	36	1D	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	36	1E	1	1	1	1	1	1	1	1	1	5	5	5	13	10
ORIENT 3	BLISSVILLE	36	1F	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	36	1G	1	1	1	1	1	1	1	1	1	5	5	5	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BLISSVILLE	36	1H	1	1	1	1	1	1	1	1	1	5	5	5	72	1
ORIENT 3	BLISSVILLE	36	2A	1	1	1	1	1	1	1	1	1	5	5	5	4	6
ORIENT 3	BLISSVILLE	36	2B	1	1	1	1	1	1	1	1	1	5	5	5	4	3
ORIENT 3	BLISSVILLE	36	2C	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 3	BLISSVILLE	36	2D	1	1	1	1	1	1	5	5	5	1	1	1	4	6
ORIENT 3	BLISSVILLE	36	2E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	36	2F	1	1	1	1	1	1	1	1	1	5	5	5	13	10
ORIENT 3	BLISSVILLE	36	2G	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 3	BLISSVILLE	36	2H	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	36	3A	1	1	1	1	1	1	1	1	1	5	5	5	4	6
ORIENT 3	BLISSVILLE	36	3B	1	1	1	1	1	1	2	2	2	5	5	5	4	10
ORIENT 3	BLISSVILLE	36	3C	1	1	1	1	1	1	3	3	3	5	5	5	4	3
ORIENT 3	BLISSVILLE	36	3D	1	1	1	1	1	1	3	3	3	5	5	5	4	3
ORIENT 3	BLISSVILLE	36	3E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	36	3F	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	36	3G	2	2	2	1	1	1	1	1	1	5	5	5	14	6
ORIENT 3	BLISSVILLE	36	3H	2	2	2	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	36	4A	1	1	1	1	1	1	3	3	3	5	5	5	4	3
ORIENT 3	BLISSVILLE	36	4B	1	1	1	1	1	1	3	3	3	5	5	5	4	6
ORIENT 3	BLISSVILLE	36	4C	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	36	4D	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	36	4E	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	36	4F	1	1	1	2	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	36	4G	2	2	2	1	1	1	1	1	1	5	5	5	14	6
ORIENT 3	BLISSVILLE	36	4H	2	2	2	1	1	1	1	1	1	5	5	5	72	1
ORIENT 3	BLISSVILLE	36	5A	1	1	1	2	2	1	5	5	5	2	2	2	13	6
ORIENT 3	BLISSVILLE	36	5B	1	1	1	1	1	1	5	5	5	1	1	1	4	3
ORIENT 3	BLISSVILLE	36	5C	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	36	5D	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	36	5E	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 3	BLISSVILLE	36	5F	2	2	2	1	1	1	1	1	1	5	5	5	14	10
ORIENT 3	BLISSVILLE	36	5G	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	36	5H	1	1	1	1	1	1	1	1	1	5	5	5	4	10
ORIENT 3	BLISSVILLE	36	6A	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	36	6B	2	2	2	1	1	1	5	5	5	1	1	1	13	10
ORIENT 3	BLISSVILLE	36	6C	1	1	1	1	1	1	5	5	5	4	4	4	4	6
ORIENT 3	BLISSVILLE	36	6D	1	1	1	1	1	1	5	5	5	1	1	1	4	6
ORIENT 3	BLISSVILLE	36	6E	2	2	2	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	36	6F	1	1	1	1	1	1	1	1	1	5	5	5	13	6
ORIENT 3	BLISSVILLE	36	6G	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 3	BLISSVILLE	36	6H	1	1	1	1	1	1	1	1	1	5	5	5	4	3
ORIENT 3	BLISSVILLE	36	7A	1	1	1	1	2	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	36	7B	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	36	7C	1	1	1	1	1	1	5	5	5	4	4	4	13	6
ORIENT 3	BLISSVILLE	36	7D	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	36	7E	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	36	7F	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	36	7G	1	1	1	1	1	1	1	1	1	5	5	5	13	10
ORIENT 3	BLISSVILLE	36	7H	1	1	1	1	1	1	1	1	1	5	5	5	13	10

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 3	BLISSVILLE	36	8A	1	1	1	1	1	1	3	3	3	5	5	5	13	6
ORIENT 3	BLISSVILLE	36	8B	1	1	1	1	1	1	5	5	5	1	1	1	4	6
ORIENT 3	BLISSVILLE	36	8C	1	1	1	1	1	1	5	5	5	1	1	1	13	6
ORIENT 3	BLISSVILLE	36	8D	1	1	1	1	1	2	5	5	5	1	1	1	4	3
ORIENT 3	BLISSVILLE	36	8E	1	1	1	1	1	1	5	5	5	1	1	1	4	3
ORIENT 3	BLISSVILLE	36	8F	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 3	BLISSVILLE	36	8G	1	1	1	1	1	1	1	1	1	5	5	5	13	1
ORIENT 3	BLISSVILLE	36	8H	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	19	1A	2	2	2	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	19	1B	2	2	2	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	19	1C	2	2	2	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	19	1D	3	3	3	1	1	1	1	1	1	5	5	5	0	1
ORIENT 4	CORINTH	19	1E	2	2	2	1	1	1	1	1	1	5	5	5	72	1
ORIENT 4	CORINTH	19	1F	1	1	1	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	19	1G	1	1	1	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	CORINTH	19	1H	1	1	1	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	19	2A	1	1	1	1	1	1	1	1	1	5	5	5	814	6
ORIENT 4	CORINTH	19	2B	1	1	1	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	19	2C	1	1	1	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	19	2D	2	2	2	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	19	2E	1	1	1	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	19	2F	2	2	2	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	19	2G	1	1	1	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	CORINTH	19	2H	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	CORINTH	19	3A	1	1	1	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	19	3B	1	1	1	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	19	3C	1	1	1	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	19	3D	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	CORINTH	19	3E	1	1	1	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	19	3F	1	1	1	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	19	3G	2	2	2	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	CORINTH	19	3H	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	CORINTH	19	4A	1	1	1	1	1	2	1	1	1	5	5	5	14	10
ORIENT 4	CORINTH	19	4B	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	CORINTH	19	4C	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	CORINTH	19	4D	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	CORINTH	19	4E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	19	4F	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	19	4G	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	CORINTH	19	4H	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	CORINTH	19	5A	1	1	1	1	1	2	1	1	1	5	5	5	14	6
ORIENT 4	CORINTH	19	5B	1	1	1	2	1	1	1	1	1	5	5	5	14	6
ORIENT 4	CORINTH	19	5C	1	1	1	2	2	1	3	3	3	5	5	5	13	3
ORIENT 4	CORINTH	19	5D	1	1	1	2	1	1	3	3	3	5	5	5	14	6
ORIENT 4	CORINTH	19	5E	3	3	3	1	1	1	3	3	3	5	5	5	0	1
ORIENT 4	CORINTH	19	5F	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 4	CORINTH	19	5G	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 4	CORINTH	19	5H	1	1	1	1	1	1	5	5	5	1	1	1	14	6
ORIENT 4	CORINTH	19	6A	1	1	1	1	1	1	2	2	2	5	5	5	14	6

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	LOCATION			LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 4	CORINTH	19	6B	1	1	1	1	1	3	2	2	2	5	5	5	14	6
ORIENT 4	CORINTH	19	6C	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 4	CORINTH	19	6D	1	1	1	2	2	1	3	3	3	5	5	5	14	6
ORIENT 4	CORINTH	19	6E	1	1	1	1	1	1	5	5	5	1	1	1	14	6
ORIENT 4	CORINTH	19	6F	1	1	1	1	1	1	3	3	3	5	5	5	13	3
ORIENT 4	CORINTH	19	6G	2	2	2	1	1	1	5	5	5	1	1	1	14	10
ORIENT 4	CORINTH	19	6H	1	1	1	1	1	1	5	5	5	1	1	1	14	3
ORIENT 4	CORINTH	19	7A	1	1	1	1	1	1	5	5	5	2	2	2	14	6
ORIENT 4	CORINTH	19	7B	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 4	CORINTH	19	7C	3	3	3	1	1	1	2	2	2	5	5	5	0	1
ORIENT 4	CORINTH	19	7D	1	1	1	1	1	1	5	5	5	1	1	1	14	6
ORIENT 4	CORINTH	19	7E	1	1	1	1	1	1	5	5	5	1	1	1	14	6
ORIENT 4	CORINTH	19	7F	1	1	1	1	2	1	3	3	3	5	5	5	14	10
ORIENT 4	CORINTH	19	7G	1	1	1	1	1	2	5	5	5	1	1	1	14	10
ORIENT 4	CORINTH	19	7H	1	1	1	1	1	1	5	5	5	4	4	4	13	3
ORIENT 4	CORINTH	19	8A	1	1	1	1	2	1	3	3	3	5	5	5	14	6
ORIENT 4	CORINTH	19	8B	2	2	2	1	1	1	2	2	2	5	5	5	13	3
ORIENT 4	CORINTH	19	8C	1	1	1	1	1	1	2	2	2	5	5	5	14	3
ORIENT 4	CORINTH	19	8D	2	2	2	1	1	1	2	2	2	5	5	5	14	6
ORIENT 4	CORINTH	19	8E	1	1	1	1	1	1	5	5	5	2	2	2	13	3
ORIENT 4	CORINTH	19	8F	2	2	2	1	1	1	3	3	3	5	5	5	14	10
ORIENT 4	CORINTH	19	8G	2	1	1	1	1	1	5	5	5	1	1	1	14	10
ORIENT 4	CORINTH	19	8H	2	2	2	1	1	1	5	5	5	1	1	1	14	10
ORIENT 4	CORINTH	20	1A	1	1	1	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	20	1B	2	2	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	CORINTH	20	1C	1	1	1	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	CORINTH	20	1D	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	1E	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	CORINTH	20	1F	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	CORINTH	20	1G	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	1H	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	2A	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	2B	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	2C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	2D	1	1	1	1	1	2	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	2E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	2F	1	1	1	1	1	2	1	1	1	5	5	5	14	6
ORIENT 4	CORINTH	20	2G	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	2H	1	1	1	1	1	1	1	1	1	5	5	5	3	3
ORIENT 4	CORINTH	20	3A	1	1	1	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	CORINTH	20	3B	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	3C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	3D	2	2	2	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	3E	2	2	2	1	1	1	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	3F	1	1	1	1	1	1	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	3G	2	2	2	1	1	1	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	3H	1	1	1	1	1	1	1	1	1	5	5	5	2	1
ORIENT 4	CORINTH	20	4A	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	CORINTH	20	4B	1	1	1	2	1	2	1	1	1	5	5	5	14	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

	LOCATION			LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 4	CORINTH	20	4C	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	CORINTH	20	4D	2	2	2	1	1	1	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	4E	1	1	1	1	1	2	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	4F	1	1	1	1	1	2	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	4G	2	2	2	1	1	1	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	4H	1	1	1	1	1	2	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	5A	1	1	1	1	1	1	5	5	5	2	2	2	14	6
ORIENT 4	CORINTH	20	5B	1	1	1	1	1	1	5	5	5	1	1	1	14	6
ORIENT 4	CORINTH	20	5C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	5D	1	1	1	1	1	2	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	5E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	5F	1	1	1	1	1	1	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	5G	2	2	2	1	1	1	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	5H	1	1	1	1	1	2	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	6A	1	1	1	1	1	1	5	5	5	1	1	1	14	6
ORIENT 4	CORINTH	20	6B	1	1	1	1	1	1	5	5	5	1	1	1	14	6
ORIENT 4	CORINTH	20	6C	1	1	1	1	1	2	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	6D	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	6E	1	1	1	1	1	2	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	6F	2	2	2	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	6G	2	2	2	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	6H	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	7A	1	1	1	1	1	1	5	5	5	4	4	4	14	3
ORIENT 4	CORINTH	20	7B	1	1	1	1	1	2	5	5	5	1	1	1	14	3
ORIENT 4	CORINTH	20	7C	1	1	1	1	1	2	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	7D	2	2	2	1	1	1	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	7E	1	1	1	1	1	1	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	7F	1	1	1	1	1	1	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	7G	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	7H	1	1	1	1	1	1	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	8A	1	1	1	1	3	1	3	3	3	5	5	5	14	6
ORIENT 4	CORINTH	20	8B	1	1	1	1	1	3	3	3	3	5	5	5	13	3
ORIENT 4	CORINTH	20	8C	1	1	1	1	1	2	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	8D	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	8E	1	1	1	1	1	1	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	8F	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	CORINTH	20	8G	1	1	1	1	1	1	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	20	8H	1	1	1	1	1	1	1	1	1	5	5	5	12	1
ORIENT 4	CORINTH	29	1A	1	-	-	1	-	-	1	-	-	5	-	-	382	1
ORIENT 4	CORINTH	29	1B	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	29	1C	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	29	1D	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 4	CORINTH	29	1E	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 4	CORINTH	29	1F	2	-	-	1	-	-	1	-	-	5	-	-	5	6
ORIENT 4	CORINTH	29	1G	1	-	-	1	-	-	1	-	-	5	-	-	12	1
ORIENT 4	CORINTH	29	1H	2	-	-	1	-	-	1	-	-	5	-	-	12	1
ORIENT 4	CORINTH	29	2A	1	-	-	1	-	-	1	-	-	5	-	-	382	1
ORIENT 4	CORINTH	29	2B	1	-	-	1	-	-	1	-	-	5	-	-	14	10
ORIENT 4	CORINTH	29	2C	1	-	-	1	-	-	1	-	-	5	-	-	14	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 4	CORINTH	29	2D	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 4	CORINTH	29	2E	2	-	-	1	-	-	1	-	-	5	-	-	72	1
ORIENT 4	CORINTH	29	2F	1	-	-	1	-	-	1	-	-	5	-	-	14	3
ORIENT 4	CORINTH	29	2G	4	-	-	1	-	-	1	-	-	5	-	-	5	6
ORIENT 4	CORINTH	29	2H	1	-	-	1	-	-	1	-	-	5	-	-	12	1
ORIENT 4	CORINTH	29	3A	2	-	-	1	-	-	1	-	-	5	-	-	382	1
ORIENT 4	CORINTH	29	3B	1	-	-	1	-	-	1	-	-	5	-	-	14	10
ORIENT 4	CORINTH	29	3C	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 4	CORINTH	29	3D	2	-	-	1	-	-	1	-	-	5	-	-	14	3
ORIENT 4	CORINTH	29	3E	1	-	-	1	-	-	1	-	-	5	-	-	14	10
ORIENT 4	CORINTH	29	3F	2	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	29	3G	1	-	-	1	-	-	1	-	-	5	-	-	12	1
ORIENT 4	CORINTH	29	3H	4	-	-	1	-	-	1	-	-	5	-	-	12	1
ORIENT 4	CORINTH	29	4A	2	-	-	1	-	-	1	-	-	5	-	-	382	1
ORIENT 4	CORINTH	29	4B	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	29	4C	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	29	4D	2	-	-	1	-	-	1	-	-	5	-	-	72	1
ORIENT 4	CORINTH	29	4E	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	29	4F	2	-	-	1	-	-	1	-	-	5	-	-	72	1
ORIENT 4	CORINTH	29	4G	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	29	4H	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 4	CORINTH	29	5A	2	-	-	1	-	-	1	-	-	5	-	-	814	15
ORIENT 4	CORINTH	29	5B	2	-	-	1	-	-	1	-	-	5	-	-	382	1
ORIENT 4	CORINTH	29	5C	2	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	29	5D	2	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	29	5E	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	29	5F	1	-	-	1	-	-	1	-	-	5	-	-	14	3
ORIENT 4	CORINTH	29	5G	1	-	-	1	-	-	1	-	-	5	-	-	72	1
ORIENT 4	CORINTH	29	5H	1	-	-	1	-	-	1	-	-	5	-	-	14	3
ORIENT 4	CORINTH	29	6A	2	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	29	6B	2	-	-	1	-	-	1	-	-	5	-	-	382	1
ORIENT 4	CORINTH	29	6C	1	-	-	1	-	-	1	-	-	5	-	-	382	1
ORIENT 4	CORINTH	29	6D	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	29	6E	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	29	6F	1	-	-	1	-	-	1	-	-	5	-	-	14	3
ORIENT 4	CORINTH	29	6G	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	29	6H	1	-	-	1	-	-	1	-	-	5	-	-	72	1
ORIENT 4	CORINTH	29	7A	2	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	29	7B	2	-	-	1	-	-	1	-	-	5	-	-	382	1
ORIENT 4	CORINTH	29	7C	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	29	7D	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	29	7E	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	29	7F	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	29	7G	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	29	7H	1	-	-	1	-	-	1	-	-	5	-	-	13	3
ORIENT 4	CORINTH	29	8A	2	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	29	8B	2	-	-	1	-	-	1	-	-	5	-	-	382	1
ORIENT 4	CORINTH	29	8C	2	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	29	8D	2	-	-	1	-	-	1	-	-	5	-	-	814	10

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	LOCATION			LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 4	CORINTH	29	8E	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	29	8F	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	29	8G	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	29	8H	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	30	1A	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	CORINTH	30	1B	1	1	1	2	2	1	5	5	5	1	1	1	14	3
ORIENT 4	CORINTH	30	1C	1	1	1	1	1	1	5	5	5	1	1	1	14	3
ORIENT 4	CORINTH	30	1D	1	1	1	1	1	1	2	2	2	5	5	5	14	3
ORIENT 4	CORINTH	30	1E	1	1	1	1	1	1	2	2	2	5	5	5	13	3
ORIENT 4	CORINTH	30	1F	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 4	CORINTH	30	1G	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	CORINTH	30	1H	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	CORINTH	30	2A	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	CORINTH	30	2B	1	1	1	1	2	2	5	5	5	2	2	2	814	6
ORIENT 4	CORINTH	30	2C	1	1	1	2	2	1	5	5	5	1	1	1	14	10
ORIENT 4	CORINTH	30	2D	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	CORINTH	30	2E	1	1	1	1	1	1	2	2	2	5	5	5	14	3
ORIENT 4	CORINTH	30	2F	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 4	CORINTH	30	2G	1	1	1	1	1	1	1	1	1	5	5	5	382	1
ORIENT 4	CORINTH	30	2H	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	CORINTH	30	3A	2	2	2	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	CORINTH	30	3B	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	CORINTH	30	3C	1	1	1	1	1	2	3	3	3	5	5	5	14	3
ORIENT 4	CORINTH	30	3D	1	1	1	1	2	2	3	3	3	5	5	5	814	10
ORIENT 4	CORINTH	30	3E	1	1	1	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	CORINTH	30	3F	1	1	1	1	1	2	3	3	3	5	5	5	814	10
ORIENT 4	CORINTH	30	3G	1	1	1	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	30	3H	1	1	1	1	1	1	1	1	1	5	5	5	382	1
ORIENT 4	CORINTH	30	4A	2	2	2	1	1	1	5	5	5	3	3	3	382	1
ORIENT 4	CORINTH	30	4B	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	CORINTH	30	4C	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	CORINTH	30	4D	3	3	3	1	1	1	3	3	3	5	5	5	0	1
ORIENT 4	CORINTH	30	4E	1	1	1	1	1	1	2	2	2	5	5	5	14	3
ORIENT 4	CORINTH	30	4F	1	1	1	2	1	1	2	2	2	5	5	5	814	10
ORIENT 4	CORINTH	30	4G	1	1	1	1	1	1	1	1	1	5	5	5	382	1
ORIENT 4	CORINTH	30	4H	1	1	1	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	30	5A	1	1	1	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	CORINTH	30	5B	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	CORINTH	30	5C	1	1	1	1	1	1	2	2	2	5	5	5	14	3
ORIENT 4	CORINTH	30	5D	1	1	1	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	CORINTH	30	5E	2	2	2	1	1	1	3	3	3	5	5	5	382	1
ORIENT 4	CORINTH	30	5F	1	1	1	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	CORINTH	30	5G	2	2	2	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	CORINTH	30	5H	2	2	2	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	CORINTH	30	6A	1	1	1	1	1	1	5	5	5	2	2	2	14	3
ORIENT 4	CORINTH	30	6B	1	1	1	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	CORINTH	30	6C	1	1	1	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	CORINTH	30	6D	2	2	2	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	CORINTH	30	6E	1	1	1	1	1	1	2	2	2	5	5	5	814	10

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 4	CORINTH	30	6F	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	CORINTH	30	6G	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	CORINTH	30	6H	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	CORINTH	30	7A	1	1	1	2	2	2	3	3	3	5	5	5	382	1
ORIENT 4	CORINTH	30	7B	1	1	1	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	CORINTH	30	7C	2	2	2	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	CORINTH	30	7D	1	1	1	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	CORINTH	30	7E	3	3	3	1	1	1	3	3	3	5	5	5	0	1
ORIENT 4	CORINTH	30	7F	3	3	3	1	1	1	3	3	3	5	5	5	0	1
ORIENT 4	CORINTH	30	7G	4	4	4	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	CORINTH	30	7H	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	CORINTH	30	8A	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	CORINTH	30	8B	1	1	1	2	2	1	5	5	5	3	3	3	382	1
ORIENT 4	CORINTH	30	8C	2	2	2	1	1	1	5	5	5	4	4	4	814	10
ORIENT 4	CORINTH	30	8D	2	2	2	1	1	1	5	5	5	2	2	2	814	10
ORIENT 4	CORINTH	30	8E	3	3	3	1	1	1	3	3	3	5	5	5	0	1
ORIENT 4	CORINTH	30	8F	1	1	1	1	1	1	2	2	2	5	5	5	14	3
ORIENT 4	CORINTH	30	8G	2	2	2	1	1	1	3	3	3	5	5	5	14	10
ORIENT 4	CORINTH	30	8H	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	CORINTH	31	1A	1	1	1	1	1	1	2	2	2	5	5	5	14	10
ORIENT 4	CORINTH	31	1B	1	1	1	1	1	1	5	5	5	2	2	2	14	3
ORIENT 4	CORINTH	31	1C	2	2	2	1	1	1	5	5	5	3	3	3	382	1
ORIENT 4	CORINTH	31	1D	2	2	2	2	1	1	3	3	3	5	5	5	382	1
ORIENT 4	CORINTH	31	1E	2	2	2	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	CORINTH	31	1F	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	CORINTH	31	1G	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	CORINTH	31	1H	2	2	2	1	1	1	1	1	1	5	5	5	14	15
ORIENT 4	CORINTH	31	2A	1	1	1	1	1	1	3	3	3	5	5	5	14	15
ORIENT 4	CORINTH	31	2B	2	2	2	1	1	1	3	3	3	5	5	5	382	1
ORIENT 4	CORINTH	31	2C	1	1	1	1	1	1	2	2	2	5	5	5	14	15
ORIENT 4	CORINTH	31	2D	2	2	2	1	1	1	3	3	3	5	5	5	382	1
ORIENT 4	CORINTH	31	2E	2	2	2	1	1	1	2	2	2	5	5	5	14	10
ORIENT 4	CORINTH	31	2F	2	2	2	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	CORINTH	31	2G	3	3	3	1	1	1	1	1	2	5	5	5	0	1
ORIENT 4	CORINTH	31	2H	2	2	2	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	CORINTH	31	3A	1	1	1	1	1	1	5	5	5	2	2	2	814	10
ORIENT 4	CORINTH	31	3B	1	1	1	1	1	1	2	2	2	5	5	5	14	3
ORIENT 4	CORINTH	31	3C	1	1	1	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	CORINTH	31	3D	2	2	2	1	1	1	3	3	3	5	5	5	382	1
ORIENT 4	CORINTH	31	3E	2	2	2	1	1	1	1	1	2	5	5	5	14	10
ORIENT 4	CORINTH	31	3F	2	2	2	1	1	1	1	1	2	5	5	5	14	10
ORIENT 4	CORINTH	31	3G	1	1	1	1	1	1	1	1	3	5	5	5	14	10
ORIENT 4	CORINTH	31	3H	1	1	1	1	1	1	1	1	3	5	5	5	14	10
ORIENT 4	CORINTH	31	4A	2	2	2	1	1	1	3	3	3	5	5	5	533	3
ORIENT 4	CORINTH	31	4B	2	2	2	1	1	1	3	3	3	5	5	5	13	3
ORIENT 4	CORINTH	31	4C	2	2	4	1	1	1	2	2	2	5	5	5	533	10
ORIENT 4	CORINTH	31	4D	1	1	1	1	1	1	3	3	3	5	5	5	533	15
ORIENT 4	CORINTH	31	4E	1	1	1	1	1	1	2	2	2	5	5	5	533	1
ORIENT 4	CORINTH	31	4F	1	1	1	1	1	1	1	1	2	5	5	5	4	3

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	LOCATION			LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 4	CORINTH	31	4G	1	1	1	1	1	1	1	1	3	5	5	5	14	3
ORIENT 4	CORINTH	31	4H	1	1	1	1	1	2	3	3	3	5	5	5	382	1
ORIENT 4	CORINTH	31	5A	2	2	2	1	1	1	3	3	3	5	5	5	14	10
ORIENT 4	CORINTH	31	5B	1	1	1	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	CORINTH	31	5C	1	1	1	1	1	1	5	5	5	1	1	1	14	3
ORIENT 4	CORINTH	31	5D	1	1	1	1	1	1	3	3	3	5	5	5	8	24
ORIENT 4	CORINTH	31	5E	1	1	1	1	1	2	3	3	3	5	5	5	14	6
ORIENT 4	CORINTH	31	5F	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 4	CORINTH	31	5G	1	1	1	1	1	1	2	2	3	5	5	5	14	3
ORIENT 4	CORINTH	31	5H	2	2	2	1	1	1	3	3	3	5	5	5	382	1
ORIENT 4	CORINTH	31	6A	1	1	1	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	CORINTH	31	6B	1	1	1	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	CORINTH	31	6C	1	1	1	1	1	1	5	5	5	2	2	2	14	6
ORIENT 4	CORINTH	31	6D	1	1	1	1	2	2	5	5	5	2	2	2	8	24
ORIENT 4	CORINTH	31	6E	1	1	1	1	1	1	3	3	3	5	5	5	8	24
ORIENT 4	CORINTH	31	6F	1	1	1	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	CORINTH	31	6G	2	2	2	1	1	1	3	3	3	5	5	5	8	24
ORIENT 4	CORINTH	31	6H	2	2	2	1	1	1	2	2	3	5	5	5	382	1
ORIENT 4	CORINTH	31	7A	1	1	1	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	CORINTH	31	7B	1	1	1	1	1	1	5	5	5	1	1	1	13	3
ORIENT 4	CORINTH	31	7C	1	1	1	1	1	1	3	3	3	5	5	5	14	10
ORIENT 4	CORINTH	31	7D	2	2	2	1	1	1	3	3	3	5	5	5	382	1
ORIENT 4	CORINTH	31	7E	1	1	1	1	1	3	2	2	2	5	5	5	14	3
ORIENT 4	CORINTH	31	7F	2	2	2	1	1	1	2	2	2	5	5	5	382	1
ORIENT 4	CORINTH	31	7G	1	1	1	1	1	1	3	3	3	5	5	5	382	1
ORIENT 4	CORINTH	31	7H	1	1	1	1	1	1	3	3	3	5	5	5	814	3
ORIENT 4	CORINTH	31	8A	1	1	1	1	1	1	5	5	5	3	3	3	382	1
ORIENT 4	CORINTH	31	8B	1	1	1	1	2	3	5	5	5	3	3	3	382	1
ORIENT 4	CORINTH	31	8C	1	1	1	1	2	1	5	5	5	3	3	3	382	1
ORIENT 4	CORINTH	31	8D	1	1	1	4	3	3	3	3	3	5	5	5	382	1
ORIENT 4	CORINTH	31	8E	2	2	2	1	1	1	2	2	2	5	5	5	382	1
ORIENT 4	CORINTH	31	8F	2	2	2	1	1	1	2	2	2	5	5	5	382	1
ORIENT 4	CORINTH	31	8G	1	1	1	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	CORINTH	31	8H	1	1	1	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	CORINTH	32	1A	2	-	-	1	-	-	1	-	-	5	-	-	382	1
ORIENT 4	CORINTH	32	1B	2	-	-	1	-	-	1	-	-	5	-	-	382	1
ORIENT 4	CORINTH	32	1C	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	1D	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	32	1E	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	1F	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	32	1G	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	32	1H	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	32	2A	1	-	-	1	-	-	1	-	-	5	-	-	382	1
ORIENT 4	CORINTH	32	2B	2	-	-	1	-	-	1	-	-	5	-	-	382	1
ORIENT 4	CORINTH	32	2C	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	2D	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	2E	2	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	2F	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	2G	1	-	-	1	-	-	1	-	-	5	-	-	14	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 4	CORINTH	32	2H	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	32	3A	2	-	-	1	-	-	1	-	-	5	-	-	382	1
ORIENT 4	CORINTH	32	3B	2	-	-	1	-	-	1	-	-	5	-	-	814	15
ORIENT 4	CORINTH	32	3C	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	3D	4	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	3E	2	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	3F	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	3G	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	3H	1	-	-	1	-	-	1	-	-	5	-	-	14	3
ORIENT 4	CORINTH	32	4A	1	-	-	1	-	-	1	-	-	5	-	-	382	1
ORIENT 4	CORINTH	32	4B	2	-	-	1	-	-	1	-	-	5	-	-	814	15
ORIENT 4	CORINTH	32	4C	2	-	-	1	-	-	1	-	-	5	-	-	72	1
ORIENT 4	CORINTH	32	4D	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	4E	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	4F	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	32	4G	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	32	4H	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	5A	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	32	5B	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	5C	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	5D	2	-	-	1	-	-	1	-	-	5	-	-	72	1
ORIENT 4	CORINTH	32	5E	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	5F	2	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	5G	2	-	-	1	-	-	1	-	-	5	-	-	72	1
ORIENT 4	CORINTH	32	5H	2	-	-	1	-	-	1	-	-	5	-	-	814	15
ORIENT 4	CORINTH	32	6A	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	32	6B	2	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	6C	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	6D	1	-	-	1	-	-	1	-	-	5	-	-	14	3
ORIENT 4	CORINTH	32	6E	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	6F	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	6G	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	6H	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	32	7A	2	-	-	1	-	-	3	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	7B	1	-	-	1	-	-	3	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	7C	2	-	-	1	-	-	3	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	7D	2	-	-	1	-	-	1	-	-	5	-	-	72	1
ORIENT 4	CORINTH	32	7E	2	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	7F	2	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	7G	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	7H	1	-	-	1	-	-	1	-	-	5	-	-	14	6
ORIENT 4	CORINTH	32	8A	2	-	-	1	-	-	3	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	8B	1	-	-	1	-	-	3	-	-	5	-	-	14	3
ORIENT 4	CORINTH	32	8C	1	-	-	1	-	-	3	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	8D	1	-	-	1	-	-	1	-	-	5	-	-	14	3
ORIENT 4	CORINTH	32	8E	1	-	-	1	-	-	1	-	-	5	-	-	14	3
ORIENT 4	CORINTH	32	8F	1	-	-	1	-	-	1	-	-	5	-	-	14	3
ORIENT 4	CORINTH	32	8G	1	-	-	1	-	-	1	-	-	5	-	-	814	10
ORIENT 4	CORINTH	32	8H	1	-	-	1	-	-	1	-	-	5	-	-	14	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 4	LAKE CREEK	13	1A	2	-	-	1	-	-	6	-	-	5	-	-	382	1
ORIENT 4	LAKE CREEK	13	1B	1	-	-	1	-	-	6	-	-	5	-	-	14	10
ORIENT 4	LAKE CREEK	13	1C	2	-	-	1	-	-	6	-	-	5	-	-	382	1
ORIENT 4	LAKE CREEK	13	1D	1	-	-	1	-	-	6	-	-	5	-	-	14	3
ORIENT 4	LAKE CREEK	13	1E	3	-	-	1	-	-	6	-	-	5	-	-	0	1
ORIENT 4	LAKE CREEK	13	1F	1	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	1G	2	-	-	1	-	-	6	-	-	5	-	-	14	10
ORIENT 4	LAKE CREEK	13	1H	2	-	-	1	-	-	6	-	-	5	-	-	14	3
ORIENT 4	LAKE CREEK	13	2A	2	-	-	1	-	-	6	-	-	5	-	-	382	1
ORIENT 4	LAKE CREEK	13	2B	1	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	2C	1	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	2D	1	-	-	1	-	-	6	-	-	5	-	-	382	1
ORIENT 4	LAKE CREEK	13	2E	1	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	2F	1	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	2G	1	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	2H	2	-	-	1	-	-	6	-	-	5	-	-	14	15
ORIENT 4	LAKE CREEK	13	3A	2	-	-	1	-	-	6	-	-	5	-	-	382	1
ORIENT 4	LAKE CREEK	13	3B	2	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	3C	1	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	3D	1	-	-	1	-	-	6	-	-	5	-	-	382	1
ORIENT 4	LAKE CREEK	13	3E	2	-	-	1	-	-	6	-	-	5	-	-	14	3
ORIENT 4	LAKE CREEK	13	3F	2	-	-	1	-	-	6	-	-	5	-	-	14	3
ORIENT 4	LAKE CREEK	13	3G	2	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	3H	2	-	-	1	-	-	6	-	-	5	-	-	14	15
ORIENT 4	LAKE CREEK	13	4A	1	-	-	2	-	-	6	-	-	5	-	-	382	1
ORIENT 4	LAKE CREEK	13	4B	2	-	-	1	-	-	6	-	-	5	-	-	14	10
ORIENT 4	LAKE CREEK	13	4C	2	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	4D	1	-	-	1	-	-	6	-	-	5	-	-	814	10
ORIENT 4	LAKE CREEK	13	4E	2	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	4F	2	-	-	1	-	-	6	-	-	5	-	-	14	10
ORIENT 4	LAKE CREEK	13	4G	2	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	4H	2	-	-	1	-	-	6	-	-	5	-	-	14	10
ORIENT 4	LAKE CREEK	13	5A	2	-	-	1	-	-	6	-	-	5	-	-	382	1
ORIENT 4	LAKE CREEK	13	5B	1	-	-	1	-	-	6	-	-	5	-	-	14	10
ORIENT 4	LAKE CREEK	13	5C	1	-	-	1	-	-	6	-	-	5	-	-	14	3
ORIENT 4	LAKE CREEK	13	5D	2	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	5E	2	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	5F	2	-	-	1	-	-	6	-	-	5	-	-	14	10
ORIENT 4	LAKE CREEK	13	5G	2	-	-	1	-	-	6	-	-	5	-	-	14	10
ORIENT 4	LAKE CREEK	13	5H	2	-	-	1	-	-	6	-	-	5	-	-	814	10
ORIENT 4	LAKE CREEK	13	6A	2	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	6B	1	-	-	1	-	-	6	-	-	5	-	-	14	10
ORIENT 4	LAKE CREEK	13	6C	1	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	6D	1	-	-	1	-	-	6	-	-	5	-	-	14	3
ORIENT 4	LAKE CREEK	13	6E	2	-	-	1	-	-	6	-	-	5	-	-	814	10
ORIENT 4	LAKE CREEK	13	6F	2	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	6G	2	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	6H	2	-	-	1	-	-	6	-	-	5	-	-	814	10
ORIENT 4	LAKE CREEK	13	7A	1	-	-	1	-	-	6	-	-	5	-	-	814	15

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 4	LAKE CREEK	13	7B	2	-	-	1	-	-	6	-	-	5	-	-	72	1
ORIENT 4	LAKE CREEK	13	7C	1	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	7D	1	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	7E	1	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	7F	2	-	-	1	-	-	6	-	-	5	-	-	382	1
ORIENT 4	LAKE CREEK	13	7G	2	-	-	1	-	-	6	-	-	5	-	-	814	10
ORIENT 4	LAKE CREEK	13	7H	2	-	-	1	-	-	6	-	-	5	-	-	814	10
ORIENT 4	LAKE CREEK	13	8A	1	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	8B	2	-	-	1	-	-	6	-	-	5	-	-	72	1
ORIENT 4	LAKE CREEK	13	8C	1	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	8D	2	-	-	1	-	-	6	-	-	5	-	-	72	1
ORIENT 4	LAKE CREEK	13	8E	2	-	-	1	-	-	6	-	-	5	-	-	14	3
ORIENT 4	LAKE CREEK	13	8F	2	-	-	1	-	-	6	-	-	5	-	-	14	10
ORIENT 4	LAKE CREEK	13	8G	2	-	-	1	-	-	6	-	-	5	-	-	14	6
ORIENT 4	LAKE CREEK	13	8H	2	-	-	1	-	-	6	-	-	5	-	-	814	10
ORIENT 4	LAKE CREEK	14	1A	2	2	2	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	1B	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	14	1C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	LAKE CREEK	14	1D	1	1	1	1	1	1	1	1	1	5	5	5	12	1
ORIENT 4	LAKE CREEK	14	1E	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	LAKE CREEK	14	1F	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	LAKE CREEK	14	1G	2	2	2	1	1	1	1	1	1	5	5	5	382	1
ORIENT 4	LAKE CREEK	14	1H	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	14	2A	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	2B	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	2C	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	14	2D	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	LAKE CREEK	14	2E	1	1	1	1	1	1	1	1	1	5	5	5	12	1
ORIENT 4	LAKE CREEK	14	2F	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	2G	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	2H	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	14	3A	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	3B	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	14	3C	1	1	1	1	1	1	1	1	1	5	5	5	13	3
ORIENT 4	LAKE CREEK	14	3D	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	14	3E	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	14	3F	2	2	2	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	3G	1	1	1	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	LAKE CREEK	14	3H	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	4A	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	14	4B	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	14	4C	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	4D	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	14	4E	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	4F	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	4G	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	4H	1	1	1	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	LAKE CREEK	14	5A	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	5B	1	1	1	1	1	1	1	1	1	5	5	5	14	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 4	LAKE CREEK	14	5C	2	2	2	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	14	5D	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	14	5E	1	1	1	1	2	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	5F	2	2	2	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	5G	1	1	1	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	LAKE CREEK	14	5H	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	6A	2	2	2	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	LAKE CREEK	14	6B	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	6C	2	2	2	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	LAKE CREEK	14	6D	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	6E	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	14	6F	2	2	2	1	1	1	5	5	5	2	2	2	14	10
ORIENT 4	LAKE CREEK	14	6G	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	6H	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	7A	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	7B	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	14	7C	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	14	7D	1	1	1	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	LAKE CREEK	14	7E	1	1	1	1	1	1	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	14	7F	1	1	1	1	1	2	5	5	5	1	1	1	14	6
ORIENT 4	LAKE CREEK	14	7G	1	1	1	2	1	1	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	14	7H	1	1	1	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	14	8A	1	1	1	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	LAKE CREEK	14	8B	1	1	1	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	LAKE CREEK	14	8C	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	14	8D	1	1	1	1	1	2	3	3	3	5	5	5	14	10
ORIENT 4	LAKE CREEK	14	8E	1	1	1	3	1	1	5	5	5	1	1	1	14	6
ORIENT 4	LAKE CREEK	14	8F	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	14	8G	1	1	1	1	1	1	5	5	5	1	1	1	14	6
ORIENT 4	LAKE CREEK	14	8H	1	1	1	1	1	1	5	5	5	2	2	2	814	10
ORIENT 4	LAKE CREEK	23	1A	2	2	2	1	1	1	6	6	6	5	5	5	814	10
ORIENT 4	LAKE CREEK	23	1B	2	2	2	1	1	1	6	6	6	5	5	5	814	10
ORIENT 4	LAKE CREEK	23	1C	2	2	2	1	1	1	6	6	6	5	5	5	14	3
ORIENT 4	LAKE CREEK	23	1D	2	2	2	1	1	1	5	5	5	1	1	1	14	6
ORIENT 4	LAKE CREEK	23	1E	2	2	2	1	1	1	5	5	5	3	3	3	382	1
ORIENT 4	LAKE CREEK	23	1F	1	1	1	1	1	1	5	5	5	2	2	2	14	6
ORIENT 4	LAKE CREEK	23	1G	1	1	1	1	1	1	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	23	1H	1	1	1	3	1	1	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	23	2A	2	2	2	1	1	1	6	6	6	5	5	5	14	6
ORIENT 4	LAKE CREEK	23	2B	2	2	2	1	1	1	6	6	6	5	5	5	14	3
ORIENT 4	LAKE CREEK	23	2C	2	2	2	1	1	1	6	6	6	5	5	5	14	3
ORIENT 4	LAKE CREEK	23	2D	2	2	2	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	LAKE CREEK	23	2E	1	1	1	1	1	1	3	3	3	5	5	5	382	1
ORIENT 4	LAKE CREEK	23	2F	1	1	1	1	1	2	3	3	3	5	5	5	13	3
ORIENT 4	LAKE CREEK	23	2G	1	1	1	1	1	2	5	5	5	2	2	2	814	10
ORIENT 4	LAKE CREEK	23	2H	1	1	1	1	1	2	5	5	5	2	2	2	13	3
ORIENT 4	LAKE CREEK	23	3A	2	2	2	1	1	1	6	6	6	5	5	5	814	15
ORIENT 4	LAKE CREEK	23	3B	2	2	2	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	23	3C	2	2	2	1	1	1	1	1	1	5	5	5	814	10

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LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 4	LAKE CREEK	23	3D	2	2	2	1	1	1	1	1	1	5	5	5	382	1
ORIENT 4	LAKE CREEK	23	3E	2	2	2	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	23	3F	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	23	3G	2	2	2	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	23	3H	2	2	2	1	1	1	5	5	5	2	2	2	14	6
ORIENT 4	LAKE CREEK	23	4A	2	2	2	1	1	1	1	1	1	5	5	5	382	1
ORIENT 4	LAKE CREEK	23	4B	2	2	2	1	1	1	1	1	1	5	5	5	814	15
ORIENT 4	LAKE CREEK	23	4C	2	2	2	1	1	1	1	1	1	5	5	5	382	1
ORIENT 4	LAKE CREEK	23	4D	2	2	2	1	1	1	1	1	1	5	5	5	382	1
ORIENT 4	LAKE CREEK	23	4E	2	2	2	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	23	4F	2	2	2	1	1	1	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	23	4G	2	2	2	1	1	1	5	5	5	1	1	1	14	6
ORIENT 4	LAKE CREEK	23	4H	2	2	2	1	1	1	5	5	5	2	2	2	814	10
ORIENT 4	LAKE CREEK	23	5A	2	2	2	1	1	1	1	1	1	5	5	5	8	24
ORIENT 4	LAKE CREEK	23	5B	2	2	2	1	1	1	1	1	1	5	5	5	814	15
ORIENT 4	LAKE CREEK	23	5C	1	1	1	1	1	1	1	1	1	5	5	5	814	15
ORIENT 4	LAKE CREEK	23	5D	1	1	1	3	2	2	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	23	5E	2	2	2	1	1	1	1	1	1	5	5	5	814	15
ORIENT 4	LAKE CREEK	23	5F	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	23	5G	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	23	5H	2	2	2	1	1	1	5	5	5	1	1	1	14	10
ORIENT 4	LAKE CREEK	23	6A	3	3	3	1	1	1	1	1	1	5	5	5	0	1
ORIENT 4	LAKE CREEK	23	6B	1	1	1	1	1	1	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	23	6C	1	1	1	3	1	2	5	5	5	2	2	2	14	3
ORIENT 4	LAKE CREEK	23	6D	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	23	6E	1	1	1	3	1	2	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	23	6F	2	2	2	1	1	1	3	3	3	5	5	5	382	1
ORIENT 4	LAKE CREEK	23	6G	2	2	2	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	23	6H	2	2	2	1	1	1	5	5	5	4	4	4	14	3
ORIENT 4	LAKE CREEK	23	7A	1	1	1	1	1	2	2	2	2	5	5	5	14	3
ORIENT 4	LAKE CREEK	23	7B	1	1	1	3	1	2	5	5	5	1	1	1	5	6
ORIENT 4	LAKE CREEK	23	7C	1	1	1	3	2	1	5	5	5	4	4	4	14	3
ORIENT 4	LAKE CREEK	23	7D	1	1	1	1	3	2	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	23	7E	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 4	LAKE CREEK	23	7F	1	1	1	2	2	2	3	3	3	5	5	5	14	6
ORIENT 4	LAKE CREEK	23	7G	2	2	2	1	1	1	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	23	7H	1	1	1	2	1	1	5	5	5	1	1	1	14	10
ORIENT 4	LAKE CREEK	23	8A	1	1	1	1	1	1	2	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	23	8B	2	2	2	2	1	1	5	5	5	2	2	2	5	6
ORIENT 4	LAKE CREEK	23	8C	1	1	1	1	1	2	5	5	5	3	3	3	382	1
ORIENT 4	LAKE CREEK	23	8D	1	1	1	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	23	8E	1	1	1	1	1	1	5	5	5	2	2	2	14	6
ORIENT 4	LAKE CREEK	23	8F	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 4	LAKE CREEK	23	8G	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	23	8H	1	1	1	2	2	1	3	3	3	5	5	5	14	10
ORIENT 4	LAKE CREEK	24	1A	1	1	1	1	1	1	5	5	5	1	1	1	14	10
ORIENT 4	LAKE CREEK	24	1B	1	1	1	1	1	1	5	5	5	1	1	1	14	10
ORIENT 4	LAKE CREEK	24	1C	1	1	1	1	1	1	5	5	5	3	3	3	72	1
ORIENT 4	LAKE CREEK	24	1D	1	1	1	1	1	1	1	1	1	5	5	5	14	6

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LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 4	LAKE CREEK	24	1E	1	1	1	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	LAKE CREEK	24	1F	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	24	1G	1	1	1	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	LAKE CREEK	24	1H	1	1	1	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	LAKE CREEK	24	2A	1	1	1	1	1	1	5	5	5	1	1	1	14	10
ORIENT 4	LAKE CREEK	24	2B	1	1	1	1	1	1	3	3	3	5	5	5	14	10
ORIENT 4	LAKE CREEK	24	2C	2	2	2	2	1	1	3	3	5	5	5	1	814	15
ORIENT 4	LAKE CREEK	24	2D	1	1	1	1	1	1	5	5	5	3	3	3	72	1
ORIENT 4	LAKE CREEK	24	2E	1	1	1	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	LAKE CREEK	24	2F	1	1	1	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	LAKE CREEK	24	2G	2	2	2	1	1	1	1	1	1	5	5	5	814	10
ORIENT 4	LAKE CREEK	24	2H	2	2	2	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	LAKE CREEK	24	3A	1	1	1	2	1	1	3	3	3	5	5	5	14	6
ORIENT 4	LAKE CREEK	24	3B	1	1	1	1	2	2	5	5	5	2	2	2	14	6
ORIENT 4	LAKE CREEK	24	3C	1	1	1	1	2	1	5	5	5	2	2	2	814	10
ORIENT 4	LAKE CREEK	24	3D	1	1	1	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	24	3E	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	24	3F	1	1	1	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	LAKE CREEK	24	3G	2	2	2	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	LAKE CREEK	24	3H	1	1	1	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	LAKE CREEK	24	4A	1	1	1	3	1	2	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	24	4B	1	1	1	2	2	2	5	5	5	1	1	1	14	6
ORIENT 4	LAKE CREEK	24	4C	1	1	1	1	1	1	5	5	5	1	1	1	14	6
ORIENT 4	LAKE CREEK	24	4D	1	1	1	1	1	2	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	24	4E	2	2	2	1	1	1	3	3	3	5	5	5	14	10
ORIENT 4	LAKE CREEK	24	4F	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	24	4G	2	2	2	1	1	1	1	1	1	5	5	5	14	10
ORIENT 4	LAKE CREEK	24	4H	1	1	1	1	1	1	1	1	1	5	5	5	14	6
ORIENT 4	LAKE CREEK	24	5A	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	24	5B	1	1	1	1	1	1	5	5	5	2	2	2	814	10
ORIENT 4	LAKE CREEK	24	5C	1	1	1	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	24	5D	2	2	2	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	24	5E	2	2	2	1	1	1	3	3	3	5	5	5	14	6
ORIENT 4	LAKE CREEK	24	5F	2	2	2	1	1	1	2	2	2	5	5	5	14	10
ORIENT 4	LAKE CREEK	24	5G	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	24	5H	1	1	1	1	1	1	1	1	1	5	5	5	14	3
ORIENT 4	LAKE CREEK	24	6A	1	1	1	1	1	1	5	5	5	1	1	1	14	10
ORIENT 4	LAKE CREEK	24	6B	1	1	1	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	24	6C	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	24	6D	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	24	6E	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	24	6F	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	24	6G	2	2	2	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	24	6H	1	1	1	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	24	7A	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	24	7B	1	1	1	1	1	1	5	5	5	1	1	1	14	6
ORIENT 4	LAKE CREEK	24	7C	1	1	1	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	LAKE CREEK	24	7D	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 4	LAKE CREEK	24	7E	2	2	2	1	1	1	3	3	3	5	5	5	14	10

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 4	LAKE CREEK	24	7F	2	2	2	1	1	1	3	3	3	5	5	5	14	6
ORIENT 4	LAKE CREEK	24	7G	2	2	2	1	1	1	5	5	5	2	2	2	814	10
ORIENT 4	LAKE CREEK	24	7H	1	1	1	1	1	1	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	24	8A	1	1	1	3	1	1	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	24	8B	2	2	2	1	1	1	5	5	5	2	2	2	14	10
ORIENT 4	LAKE CREEK	24	8C	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	24	8D	2	2	2	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	LAKE CREEK	24	8E	2	2	2	1	1	1	3	3	3	5	5	5	14	6
ORIENT 4	LAKE CREEK	24	8F	1	1	1	1	1	1	3	3	3	5	5	5	14	6
ORIENT 4	LAKE CREEK	24	8G	2	2	2	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	LAKE CREEK	24	8H	1	1	1	1	1	1	5	5	5	2	2	2	14	3
ORIENT 4	LAKE CREEK	25	1A	1	1	1	1	1	1	2	2	2	5	5	5	14	3
ORIENT 4	LAKE CREEK	25	1B	2	2	2	1	1	1	5	5	5	2	2	2	814	24
ORIENT 4	LAKE CREEK	25	1C	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	25	1D	2	2	2	1	1	1	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	25	1E	2	2	2	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	25	1F	1	1	1	1	3	1	5	5	5	1	1	1	14	10
ORIENT 4	LAKE CREEK	25	1G	2	2	2	1	1	1	3	3	3	5	5	5	14	10
ORIENT 4	LAKE CREEK	25	1H	2	2	2	1	1	1	3	3	3	5	5	5	14	10
ORIENT 4	LAKE CREEK	25	2H	2	2	2	1	1	1	3	3	3	5	5	5	14	6
ORIENT 4	LAKE CREEK	25	2B	2	2	2	1	1	1	3	3	3	5	5	5	814	15
ORIENT 4	LAKE CREEK	25	2C	2	2	2	1	1	1	5	5	5	3	3	3	382	1
ORIENT 4	LAKE CREEK	25	2D	2	2	2	2	1	1	5	5	5	2	2	2	814	10
ORIENT 4	LAKE CREEK	25	2E	1	1	1	2	2	1	5	5	5	3	3	3	382	1
ORIENT 4	LAKE CREEK	25	2F	1	1	1	1	1	1	5	5	5	3	3	3	382	1
ORIENT 4	LAKE CREEK	25	2G	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	25	2H	1	1	1	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	LAKE CREEK	25	3A	1	1	1	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	LAKE CREEK	25	3B	1	1	1	1	1	1	3	3	3	5	5	5	382	1
ORIENT 4	LAKE CREEK	25	3C	2	2	2	1	1	1	5	5	5	3	3	3	382	1
ORIENT 4	LAKE CREEK	25	3D	1	1	1	2	1	2	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	25	3E	1	1	1	1	2	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	25	3F	1	1	1	1	2	1	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	25	3G	1	1	1	1	1	1	5	5	5	2	2	2	14	3
ORIENT 4	LAKE CREEK	25	3H	1	1	1	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	25	4A	1	1	1	1	1	2	2	2	2	5	5	5	382	1
ORIENT 4	LAKE CREEK	25	4B	2	2	2	1	1	1	5	5	5	3	3	3	382	1
ORIENT 4	LAKE CREEK	25	4C	2	2	2	1	1	1	5	5	5	4	4	4	14	3
ORIENT 4	LAKE CREEK	25	4D	1	1	1	1	1	1	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	25	4E	2	2	2	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	LAKE CREEK	25	4F	1	1	1	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	LAKE CREEK	25	4G	1	1	1	1	1	1	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	25	4H	1	1	1	2	2	2	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	25	5A	1	1	1	1	1	1	3	3	3	5	5	5	382	1
ORIENT 4	LAKE CREEK	25	5B	2	2	2	1	1	1	3	3	3	5	5	5	382	1
ORIENT 4	LAKE CREEK	25	5C	2	2	2	1	1	1	5	5	5	2	2	2	14	3
ORIENT 4	LAKE CREEK	25	5D	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	25	5E	2	2	2	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	LAKE CREEK	25	5F	1	1	1	1	1	1	2	2	2	5	5	5	814	10

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 4	LAKE CREEK	25	5G	1	1	1	2	1	1	2	2	2	5	5	5	814	10
ORIENT 4	LAKE CREEK	25	5H	2	2	2	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	LAKE CREEK	25	6A	2	2	2	1	1	1	5	5	5	1	1	1	814	15
ORIENT 4	LAKE CREEK	25	6B	2	2	2	1	1	1	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	25	6C	2	2	2	1	1	1	5	5	5	3	3	3	382	1
ORIENT 4	LAKE CREEK	25	6D	1	1	1	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	25	6E	1	1	1	1	1	1	5	5	5	2	2	2	14	3
ORIENT 4	LAKE CREEK	25	6F	1	1	1	1	1	2	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	25	6G	1	1	1	2	2	2	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	25	6H	2	2	2	1	1	1	3	3	3	5	5	5	382	1
ORIENT 4	LAKE CREEK	25	7A	2	2	2	1	1	1	5	5	5	1	1	1	814	15
ORIENT 4	LAKE CREEK	25	7B	2	2	2	1	1	1	5	5	5	1	1	1	814	15
ORIENT 4	LAKE CREEK	25	7C	1	1	1	1	1	1	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	25	7D	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	25	7E	1	1	1	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	25	7F	2	2	2	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	25	7G	2	2	2	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	LAKE CREEK	25	7H	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	25	8A	1	1	1	1	1	1	2	2	2	5	5	5	14	10
ORIENT 4	LAKE CREEK	25	8B	1	1	1	1	1	1	2	2	2	5	5	5	14	6
ORIENT 4	LAKE CREEK	25	8C	1	1	1	1	1	1	3	3	5	5	5	1	14	10
ORIENT 4	LAKE CREEK	25	8D	1	1	1	1	1	1	3	3	3	5	5	5	14	10
ORIENT 4	LAKE CREEK	25	8E	1	1	1	1	1	1	5	5	5	1	1	1	14	15
ORIENT 4	LAKE CREEK	25	8F	1	1	1	1	1	1	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	25	8G	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	25	8H	1	1	1	1	1	2	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	26	1A	1	1	1	1	1	1	3	3	3	5	5	5	14	10
ORIENT 4	LAKE CREEK	26	1B	1	1	1	1	1	1	5	5	5	1	1	1	14	10
ORIENT 4	LAKE CREEK	26	1C	1	1	1	1	1	1	3	3	3	5	5	5	382	1
ORIENT 4	LAKE CREEK	26	1D	3	3	3	1	1	1	5	5	5	2	2	2	0	1
ORIENT 4	LAKE CREEK	26	1E	1	1	1	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	26	1F	1	1	1	1	1	1	5	5	5	2	2	2	814	10
ORIENT 4	LAKE CREEK	26	1G	2	2	2	1	1	1	5	5	5	1	1	1	814	10
ORIENT 4	LAKE CREEK	26	1H	1	1	1	1	3	3	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	26	2A	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	26	2B	2	2	2	1	1	1	5	5	5	3	3	3	382	1
ORIENT 4	LAKE CREEK	26	2C	2	2	2	1	1	1	5	5	5	1	1	1	814	15
ORIENT 4	LAKE CREEK	26	2D	1	1	1	1	2	2	3	3	3	5	5	5	814	15
ORIENT 4	LAKE CREEK	26	2E	1	1	1	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	26	2F	1	1	1	1	1	2	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	26	2G	1	1	1	1	1	1	5	5	5	1	1	1	14	10
ORIENT 4	LAKE CREEK	26	2H	1	1	1	1	1	1	5	5	5	2	2	2	814	10
ORIENT 4	LAKE CREEK	26	3A	1	1	1	1	1	1	2	2	2	5	5	5	382	1
ORIENT 4	LAKE CREEK	26	3B	2	2	2	1	1	1	3	3	3	5	5	5	814	15
ORIENT 4	LAKE CREEK	26	3C	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	26	3D	1	1	1	1	1	1	5	5	5	1	1	1	14	10
ORIENT 4	LAKE CREEK	26	3E	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	26	3F	1	1	1	1	1	1	5	5	5	1	1	1	14	3
ORIENT 4	LAKE CREEK	26	3G	2	2	2	1	1	1	2	2	2	5	5	5	14	10

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 4	LAKE CREEK	26	3H	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	26	4A	1	1	1	1	2	2	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	26	4B	1	1	1	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	26	4C	1	1	1	1	1	1	2	2	2	5	5	5	382	1
ORIENT 4	LAKE CREEK	26	4D	1	1	1	1	2	1	5	5	5	2	2	2	14	6
ORIENT 4	LAKE CREEK	26	4E	1	1	1	1	1	1	5	5	5	2	2	2	14	3
ORIENT 4	LAKE CREEK	26	4F	3	3	3	1	1	1	5	5	5	1	1	1	0	1
ORIENT 4	LAKE CREEK	26	4G	3	3	3	1	1	1	3	3	3	5	5	5	0	1
ORIENT 4	LAKE CREEK	26	4H	1	1	1	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	26	5A	2	2	2	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	LAKE CREEK	26	5B	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	26	5C	1	1	1	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	26	5D	1	1	1	1	2	1	2	2	2	5	5	5	14	3
ORIENT 4	LAKE CREEK	26	5E	2	2	2	1	1	1	3	3	3	5	5	5	814	15
ORIENT 4	LAKE CREEK	26	5F	1	1	1	1	1	1	5	5	5	2	2	2	814	10
ORIENT 4	LAKE CREEK	26	5G	2	2	2	1	1	1	5	5	5	3	3	3	382	1
ORIENT 4	LAKE CREEK	26	5H	2	2	2	1	1	1	3	3	3	5	5	5	382	1
ORIENT 4	LAKE CREEK	26	6A	1	1	1	1	1	2	2	2	2	5	5	5	382	1
ORIENT 4	LAKE CREEK	26	6B	2	2	2	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	26	6C	1	1	1	1	1	2	3	3	3	5	5	5	382	1
ORIENT 4	LAKE CREEK	26	6D	1	1	1	1	1	1	3	3	3	5	5	5	382	1
ORIENT 4	LAKE CREEK	26	6E	1	1	1	1	1	1	2	2	2	5	5	5	382	1
ORIENT 4	LAKE CREEK	26	6F	1	1	1	1	1	1	2	2	2	5	5	5	382	1
ORIENT 4	LAKE CREEK	26	6G	2	2	2	1	1	1	3	3	3	5	5	5	814	15
ORIENT 4	LAKE CREEK	26	6H	2	2	2	1	1	1	5	5	5	2	2	2	814	15
ORIENT 4	LAKE CREEK	26	7A	2	2	2	1	1	1	2	2	2	5	5	5	382	1
ORIENT 4	LAKE CREEK	26	7B	2	2	2	1	1	1	3	3	3	5	5	5	382	1
ORIENT 4	LAKE CREEK	26	7C	2	2	2	1	1	1	3	3	3	5	5	5	814	15
ORIENT 4	LAKE CREEK	26	7D	2	2	2	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	26	7E	1	1	1	1	2	2	2	2	2	5	5	5	14	6
ORIENT 4	LAKE CREEK	26	7F	1	1	1	1	1	2	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	26	7G	1	1	1	1	1	2	2	2	2	5	5	5	14	3
ORIENT 4	LAKE CREEK	26	7H	2	2	2	1	1	1	3	3	3	5	5	5	14	3
ORIENT 4	LAKE CREEK	26	8A	1	1	1	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	26	8B	2	2	2	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	LAKE CREEK	26	8C	2	2	2	1	1	1	2	2	2	5	5	5	814	10
ORIENT 4	LAKE CREEK	26	8D	2	2	2	1	1	1	2	2	2	5	5	5	382	1
ORIENT 4	LAKE CREEK	26	8E	1	1	1	1	1	1	2	2	2	5	5	5	14	3
ORIENT 4	LAKE CREEK	26	8F	2	2	2	1	1	1	2	2	2	5	5	5	382	1
ORIENT 4	LAKE CREEK	26	8G	1	1	1	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	26	8H	1	1	1	1	1	1	3	3	3	5	5	5	814	10
ORIENT 4	LAKE CREEK	36	1A	-	-	1	-	-	1	-	-	1	-	-	5	14	6
ORIENT 4	LAKE CREEK	36	1B	-	-	1	-	-	1	-	-	1	-	-	5	814	15
ORIENT 4	LAKE CREEK	36	1C	-	-	2	-	-	1	-	-	1	-	-	5	14	10
ORIENT 4	LAKE CREEK	36	1D	-	-	2	-	-	1	-	-	1	-	-	5	14	10
ORIENT 4	LAKE CREEK	36	1E	-	-	2	-	-	1	-	-	3	-	-	5	8	10
ORIENT 4	LAKE CREEK	36	1F	-	-	3	-	-	1	-	-	5	-	-	1	0	1
ORIENT 4	LAKE CREEK	36	1G	-	-	1	-	-	1	-	-	3	-	-	5	13	3
ORIENT 4	LAKE CREEK	36	1H	-	-	2	-	-	1	-	-	5	-	-	2	14	15

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 4	LAKE CREEK	36	2A	-	-	1	-	-	1	-	-	6	-	-	5	13	3
ORIENT 4	LAKE CREEK	36	2B	-	-	1	-	-	1	-	-	6	-	-	5	14	10
ORIENT 4	LAKE CREEK	36	2C	-	-	2	-	-	1	-	-	6	-	-	5	14	10
ORIENT 4	LAKE CREEK	36	2D	-	-	2	-	-	1	-	-	1	-	-	5	14	10
ORIENT 4	LAKE CREEK	36	2E	-	-	1	-	-	1	-	-	3	-	-	5	14	10
ORIENT 4	LAKE CREEK	36	2F	-	-	1	-	-	1	-	-	3	-	-	5	14	6
ORIENT 4	LAKE CREEK	36	2G	-	-	2	-	-	1	-	-	3	-	-	5	14	10
ORIENT 4	LAKE CREEK	36	2H	-	-	1	-	-	1	-	-	5	-	-	1	13	3
ORIENT 4	LAKE CREEK	36	3A	-	-	2	-	-	1	-	-	6	-	-	5	14	10
ORIENT 4	LAKE CREEK	36	3B	-	-	2	-	-	1	-	-	6	-	-	5	14	10
ORIENT 4	LAKE CREEK	36	3C	-	-	1	-	-	1	-	-	1	-	-	5	382	1
ORIENT 4	LAKE CREEK	36	3D	-	-	1	-	-	1	-	-	1	-	-	5	14	10
ORIENT 4	LAKE CREEK	36	3E	-	-	1	-	-	1	-	-	3	-	-	5	14	10
ORIENT 4	LAKE CREEK	36	3F	-	-	3	-	-	1	-	-	3	-	-	5	0	1
ORIENT 4	LAKE CREEK	36	3G	-	-	1	-	-	1	-	-	5	-	-	1	14	10
ORIENT 4	LAKE CREEK	36	3H	-	-	1	-	-	1	-	-	5	-	-	1	14	10
ORIENT 4	LAKE CREEK	36	4A	-	-	1	-	-	1	-	-	6	-	-	5	14	6
ORIENT 4	LAKE CREEK	36	4B	-	-	1	-	-	1	-	-	6	-	-	5	14	6
ORIENT 4	LAKE CREEK	36	4C	-	-	1	-	-	1	-	-	1	-	-	5	382	1
ORIENT 4	LAKE CREEK	36	4D	-	-	1	-	-	1	-	-	1	-	-	5	13	3
ORIENT 4	LAKE CREEK	36	4E	-	-	1	-	-	1	-	-	3	-	-	5	14	6
ORIENT 4	LAKE CREEK	36	4F	-	-	1	-	-	1	-	-	5	-	-	1	814	10
ORIENT 4	LAKE CREEK	36	4G	-	-	1	-	-	1	-	-	5	-	-	4	14	6
ORIENT 4	LAKE CREEK	36	4H	-	-	3	-	-	1	-	-	5	-	-	2	0	1
ORIENT 4	LAKE CREEK	36	5A	-	-	2	-	-	1	-	-	6	-	-	5	13	3
ORIENT 4	LAKE CREEK	36	5B	-	-	1	-	-	1	-	-	6	-	-	5	13	3
ORIENT 4	LAKE CREEK	36	5C	-	-	2	-	-	1	-	-	6	-	-	5	382	1
ORIENT 4	LAKE CREEK	36	5D	-	-	1	-	-	1	-	-	6	-	-	5	13	3
ORIENT 4	LAKE CREEK	36	5E	-	-	1	-	-	1	-	-	3	-	-	5	14	6
ORIENT 4	LAKE CREEK	36	5F	-	-	1	-	-	1	-	-	5	-	-	2	14	6
ORIENT 4	LAKE CREEK	36	5G	-	-	1	-	-	1	-	-	5	-	-	2	14	6
ORIENT 4	LAKE CREEK	36	5H	-	-	2	-	-	1	-	-	5	-	-	1	14	10
ORIENT 4	LAKE CREEK	36	6A	-	-	2	-	-	1	-	-	6	-	-	5	13	3
ORIENT 4	LAKE CREEK	36	6B	-	-	1	-	-	1	-	-	6	-	-	5	14	6
ORIENT 4	LAKE CREEK	36	6C	-	-	1	-	-	1	-	-	1	-	-	5	382	1
ORIENT 4	LAKE CREEK	36	6D	-	-	1	-	-	1	-	-	1	-	-	5	382	1
ORIENT 4	LAKE CREEK	36	6E	-	-	1	-	-	1	-	-	3	-	-	5	13	3
ORIENT 4	LAKE CREEK	36	6F	-	-	1	-	-	1	-	-	3	-	-	5	5	6
ORIENT 4	LAKE CREEK	36	6G	-	-	2	-	-	1	-	-	3	-	-	5	5	6
ORIENT 4	LAKE CREEK	36	6H	-	-	2	-	-	1	-	-	3	-	-	5	14	3
ORIENT 4	LAKE CREEK	36	7A	-	-	1	-	-	1	-	-	6	-	-	5	382	1
ORIENT 4	LAKE CREEK	36	7B	-	-	1	-	-	1	-	-	1	-	-	5	13	3
ORIENT 4	LAKE CREEK	36	7C	-	-	1	-	-	1	-	-	3	-	-	5	382	1
ORIENT 4	LAKE CREEK	36	7D	-	-	2	-	-	1	-	-	3	-	-	5	382	1
ORIENT 4	LAKE CREEK	36	7E	-	-	1	-	-	1	-	-	3	-	-	5	3	3
ORIENT 4	LAKE CREEK	36	7F	-	-	2	-	-	1	-	-	3	-	-	5	3	3
ORIENT 4	LAKE CREEK	36	7G	-	-	2	-	-	1	-	-	3	-	-	5	3	3
ORIENT 4	LAKE CREEK	36	7H	-	-	2	-	-	1	-	-	3	-	-	5	5	6
ORIENT 4	LAKE CREEK	36	8A	-	-	1	-	-	1	-	-	1	-	-	5	2	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 4	LAKE CREEK	36	8B	-	-	1	-	-	1	-	-	3	-	-	5	382	1
ORIENT 4	LAKE CREEK	36	8C	-	-	1	-	-	1	-	-	3	-	-	5	5	6
ORIENT 4	LAKE CREEK	36	8D	-	-	1	-	-	1	-	-	3	-	-	5	3	3
ORIENT 4	LAKE CREEK	36	8E	-	-	1	-	-	2	-	-	3	-	-	5	382	1
ORIENT 4	LAKE CREEK	36	8F	-	-	1	-	-	1	-	-	2	-	-	5	3	3
ORIENT 4	LAKE CREEK	36	8G	-	-	1	-	-	1	-	-	3	-	-	5	3	3
ORIENT 4	LAKE CREEK	36	8H	-	-	2	-	-	2	-	-	3	-	-	5	382	1
ORIENT 6	ELK PRAIRIE	6	1A	-	4	4	-	1	1	-	1	1	-	5	5	4	3
ORIENT 6	ELK PRAIRIE	6	1B	-	1	1	-	1	1	-	1	1	-	5	5	4	3
ORIENT 6	ELK PRAIRIE	6	1C	-	1	1	-	2	2	-	3	3	-	5	5	3	1
ORIENT 6	ELK PRAIRIE	6	1D	-	1	1	-	1	1	-	2	2	-	5	5	2	1
ORIENT 6	ELK PRAIRIE	6	1E	-	1	1	-	1	1	-	2	2	-	5	5	3	3
ORIENT 6	ELK PRAIRIE	6	1F	-	1	1	-	1	1	-	2	2	-	5	5	3	3
ORIENT 6	ELK PRAIRIE	6	1G	-	1	1	-	1	1	-	2	2	-	5	5	2	1
ORIENT 6	ELK PRAIRIE	6	1H	-	1	1	-	1	1	-	3	3	-	5	5	2	1
ORIENT 6	ELK PRAIRIE	6	2A	-	4	4	-	1	1	-	1	1	-	5	5	4	6
ORIENT 6	ELK PRAIRIE	6	2B	-	2	2	-	1	1	-	1	1	-	5	5	3	1
ORIENT 6	ELK PRAIRIE	6	2C	-	4	4	-	1	1	-	3	3	-	5	5	4	3
ORIENT 6	ELK PRAIRIE	6	2D	-	1	1	-	1	1	-	3	3	-	5	5	4	3
ORIENT 6	ELK PRAIRIE	6	2E	-	1	1	-	2	3	-	5	5	-	3	3	2	1
ORIENT 6	ELK PRAIRIE	6	2F	-	1	1	-	1	1	-	5	5	-	1	1	3	3
ORIENT 6	ELK PRAIRIE	6	2G	-	1	1	-	1	1	-	2	2	-	5	5	3	3
ORIENT 6	ELK PRAIRIE	6	2H	-	1	1	-	1	1	-	3	3	-	5	5	3	3
ORIENT 6	ELK PRAIRIE	6	3A	-	4	4	-	1	1	-	1	1	-	5	5	4	3
ORIENT 6	ELK PRAIRIE	6	3B	-	4	4	-	1	1	-	1	1	-	5	5	4	3
ORIENT 6	ELK PRAIRIE	6	3C	-	1	1	-	1	1	-	3	3	-	5	5	3	1
ORIENT 6	ELK PRAIRIE	6	3D	-	1	1	-	1	1	-	3	3	-	5	5	4	3
ORIENT 6	ELK PRAIRIE	6	3E	-	1	1	-	1	1	-	3	3	-	5	5	3	1
ORIENT 6	ELK PRAIRIE	6	3F	-	1	1	-	1	1	-	5	5	-	3	3	2	1
ORIENT 6	ELK PRAIRIE	6	3G	-	1	1	-	1	1	-	2	2	-	5	5	3	3
ORIENT 6	ELK PRAIRIE	6	3H	-	1	1	-	1	1	-	3	3	-	5	5	3	3
ORIENT 6	ELK PRAIRIE	6	4A	-	4	4	-	1	1	-	1	1	-	5	5	14	3
ORIENT 6	ELK PRAIRIE	6	4B	-	4	4	-	1	1	-	1	1	-	5	5	4	3
ORIENT 6	ELK PRAIRIE	6	4C	-	1	1	-	1	1	-	3	3	-	5	5	4	3
ORIENT 6	ELK PRAIRIE	6	4D	-	1	1	-	1	1	-	3	3	-	5	5	4	3
ORIENT 6	ELK PRAIRIE	6	4E	-	2	2	-	1	1	-	3	3	-	5	5	4	3
ORIENT 6	ELK PRAIRIE	6	4F	-	1	1	-	1	1	-	5	5	-	2	2	4	6
ORIENT 6	ELK PRAIRIE	6	4G	-	1	1	-	1	1	-	2	2	-	5	5	3	3
ORIENT 6	ELK PRAIRIE	6	4H	-	1	1	-	1	1	-	3	3	-	5	5	3	3
ORIENT 6	ELK PRAIRIE	6	5A	-	1	1	-	1	1	-	1	1	-	5	5	13	6
ORIENT 6	ELK PRAIRIE	6	5B	-	2	2	-	1	1	-	1	1	-	5	5	14	1
ORIENT 6	ELK PRAIRIE	6	5C	-	1	1	-	1	1	-	3	3	-	5	5	14	6
ORIENT 6	ELK PRAIRIE	6	5D	-	1	1	-	1	1	-	3	3	-	5	5	14	1
ORIENT 6	ELK PRAIRIE	6	5E	-	1	1	-	1	1	-	3	3	-	5	5	4	3
ORIENT 6	ELK PRAIRIE	6	5F	-	2	2	-	1	1	-	3	3	-	5	5	3	1
ORIENT 6	ELK PRAIRIE	6	5G	-	1	1	-	1	1	-	3	3	-	5	5	3	3
ORIENT 6	ELK PRAIRIE	6	5H	-	1	1	-	1	1	-	3	3	-	5	5	3	3
ORIENT 6	ELK PRAIRIE	6	6A	-	1	1	-	1	1	-	1	1	-	5	5	13	3
ORIENT 6	ELK PRAIRIE	6	6B	-	1	1	-	1	1	-	1	1	-	5	5	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 6 ELK PRAIRIE		6	6C	-	1	1	-	1	1	-	1	1	-	5	5	13	10
ORIENT 6 ELK PRAIRIE		6	6D	-	2	2	-	1	1	-	1	1	-	5	5	108	1
ORIENT 6 ELK PRAIRIE		6	6E	-	2	2	-	1	1	-	1	1	-	5	5	108	1
ORIENT 6 ELK PRAIRIE		6	6F	-	2	2	-	1	1	-	1	1	-	5	5	3	1
ORIENT 6 ELK PRAIRIE		6	6G	-	1	1	-	1	1	-	2	2	-	5	5	3	3
ORIENT 6 ELK PRAIRIE		6	6H	-	1	1	-	1	1	-	3	3	-	5	5	109	3
ORIENT 6 ELK PRAIRIE		6	7A	-	1	1	-	1	1	-	1	1	-	5	5	13	3
ORIENT 6 ELK PRAIRIE		6	7B	-	1	1	-	1	1	-	1	1	-	5	5	13	3
ORIENT 6 ELK PRAIRIE		6	7C	-	1	1	-	1	1	-	1	1	-	5	5	13	6
ORIENT 6 ELK PRAIRIE		6	7D	-	1	1	-	1	1	-	1	1	-	5	5	13	3
ORIENT 6 ELK PRAIRIE		6	7E	-	1	1	-	1	1	-	1	1	-	5	5	13	1
ORIENT 6 ELK PRAIRIE		6	7F	-	1	1	-	1	1	-	1	1	-	5	5	13	1
ORIENT 6 ELK PRAIRIE		6	7G	-	1	1	-	1	1	-	2	2	-	5	5	108	1
ORIENT 6 ELK PRAIRIE		6	7H	-	1	1	-	1	1	-	3	3	-	5	5	108	1
ORIENT 6 ELK PRAIRIE		6	8A	-	1	1	-	1	1	-	1	1	-	5	5	13	10
ORIENT 6 ELK PRAIRIE		6	8B	-	1	1	-	1	1	-	1	1	-	5	5	13	3
ORIENT 6 ELK PRAIRIE		6	8C	-	1	1	-	1	1	-	1	1	-	5	5	13	1
ORIENT 6 ELK PRAIRIE		6	8D	-	1	1	-	1	1	-	1	1	-	5	5	13	1
ORIENT 6 ELK PRAIRIE		6	8E	-	1	1	-	1	1	-	1	1	-	5	5	13	6
ORIENT 6 ELK PRAIRIE		6	8F	-	1	1	-	1	1	-	1	1	-	5	5	13	3
ORIENT 6 ELK PRAIRIE		6	8G	-	1	1	-	1	1	-	2	2	-	5	5	13	3
ORIENT 6 ELK PRAIRIE		6	8H	-	2	2	-	1	1	-	3	3	-	5	5	108	1
ORIENT 6 ELK PRAIRIE		7	1A	-	1	1	-	1	1	-	1	1	-	5	5	13	3
ORIENT 6 ELK PRAIRIE		7	1B	-	1	1	-	1	1	-	3	3	-	5	5	13	3
ORIENT 6 ELK PRAIRIE		7	1C	-	1	1	-	1	2	-	3	3	-	5	5	13	3
ORIENT 6 ELK PRAIRIE		7	1D	-	1	1	-	1	1	-	3	3	-	5	5	13	3
ORIENT 6 ELK PRAIRIE		7	1E	-	1	4	-	1	1	-	3	3	-	5	5	13	10
ORIENT 6 ELK PRAIRIE		7	1F	-	3	3	-	1	1	-	3	3	-	5	5	0	1
ORIENT 6 ELK PRAIRIE		7	1G	-	3	3	-	1	1	-	2	2	-	5	5	0	1
ORIENT 6 ELK PRAIRIE		7	1H	-	3	4	-	1	1	-	3	3	-	5	5	13	1
ORIENT 6 ELK PRAIRIE		7	2A	-	3	3	-	1	1	-	1	1	-	5	5	0	1
ORIENT 6 ELK PRAIRIE		7	2B	-	1	1	-	1	1	-	3	3	-	5	5	13	10
ORIENT 6 ELK PRAIRIE		7	2C	-	1	1	-	1	2	-	5	5	-	1	1	13	6
ORIENT 6 ELK PRAIRIE		7	2D	-	2	2	-	1	1	-	5	5	-	1	1	13	6
ORIENT 6 ELK PRAIRIE		7	2E	-	3	3	-	1	1	-	3	3	-	5	5	0	1
ORIENT 6 ELK PRAIRIE		7	2F	-	3	3	-	1	1	-	3	3	-	5	5	0	1
ORIENT 6 ELK PRAIRIE		7	2G	-	3	3	-	1	1	-	2	2	-	5	5	0	1
ORIENT 6 ELK PRAIRIE		7	2H	-	4	4	-	1	1	-	3	3	-	5	5	12	1
ORIENT 6 ELK PRAIRIE		7	3A	-	1	1	-	1	1	-	1	1	-	5	5	13	3
ORIENT 6 ELK PRAIRIE		7	3B	-	2	2	-	2	3	-	5	5	-	1	1	13	6
ORIENT 6 ELK PRAIRIE		7	3C	-	1	1	-	1	1	-	5	5	-	4	4	13	3
ORIENT 6 ELK PRAIRIE		7	3D	-	1	1	-	1	2	-	5	5	-	1	1	13	3
ORIENT 6 ELK PRAIRIE		7	3E	-	4	4	-	1	1	-	3	3	-	5	5	108	1
ORIENT 6 ELK PRAIRIE		7	3F	-	3	3	-	1	1	-	3	3	-	5	5	0	1
ORIENT 6 ELK PRAIRIE		7	3G	-	4	4	-	1	1	-	2	2	-	5	5	13	1
ORIENT 6 ELK PRAIRIE		7	3H	-	4	4	-	1	1	-	3	3	-	5	5	12	1
ORIENT 6 ELK PRAIRIE		7	4A	-	4	4	-	1	1	-	1	1	-	5	5	13	3
ORIENT 6 ELK PRAIRIE		7	4B	-	1	1	-	1	1	-	3	3	-	5	5	108	1
ORIENT 6 ELK PRAIRIE		7	4C	-	1	1	-	1	1	-	3	3	-	5	5	13	6

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 6 ELK PRAIRIE	7		4D	-	1	1	-	1	1	-	3	3	-	5	5	13	3
ORIENT 6 ELK PRAIRIE	7		4E	-	4	4	-	1	1	-	3	3	-	5	5	13	10
ORIENT 6 ELK PRAIRIE	7		4F	-	4	4	-	1	1	-	3	3	-	5	5	13	3
ORIENT 6 ELK PRAIRIE	7		4G	-	4	4	-	1	1	-	2	2	-	5	5	12	3
ORIENT 6 ELK PRAIRIE	7		4H	-	4	4	-	1	1	-	3	3	-	5	5	12	1
ORIENT 6 ELK PRAIRIE	7		5A	-	2	2	-	1	1	-	1	1	-	5	5	108	1
ORIENT 6 ELK PRAIRIE	7		5B	-	1	1	-	1	1	-	3	3	-	5	5	13	3
ORIENT 6 ELK PRAIRIE	7		5C	-	1	1	-	1	1	-	3	3	-	5	5	13	3
ORIENT 6 ELK PRAIRIE	7		5D	-	1	1	-	1	1	-	5	5	-	1	1	12	3
ORIENT 6 ELK PRAIRIE	7		5E	-	3	3	-	1	1	-	5	5	-	3	3	0	1
ORIENT 6 ELK PRAIRIE	7		5F	-	4	3	-	1	1	-	3	3	-	5	5	12	3
ORIENT 6 ELK PRAIRIE	7		5G	-	4	3	-	1	1	-	3	3	-	5	5	12	3
ORIENT 6 ELK PRAIRIE	7		5H	-	1	4	-	1	1	-	3	3	-	5	5	12	3
ORIENT 6 ELK PRAIRIE	7		6A	-	4	4	-	1	1	-	1	1	-	5	5	14	6
ORIENT 6 ELK PRAIRIE	7		6B	-	1	1	-	1	1	-	5	5	-	1	1	13	3
ORIENT 6 ELK PRAIRIE	7		6C	-	1	1	-	1	1	-	1	1	-	5	5	12	3
ORIENT 6 ELK PRAIRIE	7		6D	-	1	1	-	1	1	-	1	1	-	5	5	13	3
ORIENT 6 ELK PRAIRIE	7		6E	-	3	3	-	1	1	-	1	1	-	5	5	0	1
ORIENT 6 ELK PRAIRIE	7		6F	-	4	3	-	1	1	-	5	5	-	1	1	13	6
ORIENT 6 ELK PRAIRIE	7		6G	-	3	3	-	1	1	-	3	3	-	5	5	0	1
ORIENT 6 ELK PRAIRIE	7		6H	-	4	4	-	1	1	-	2	2	-	5	5	12	1
ORIENT 6 ELK PRAIRIE	7		7A	-	4	4	-	1	1	-	1	1	-	5	5	13	6
ORIENT 6 ELK PRAIRIE	7		7B	-	1	1	-	1	1	-	5	5	-	2	2	13	6
ORIENT 6 ELK PRAIRIE	7		7C	-	2	2	-	1	1	-	5	5	-	1	1	13	3
ORIENT 6 ELK PRAIRIE	7		7D	-	1	1	-	1	1	-	5	5	-	4	4	13	6
ORIENT 6 ELK PRAIRIE	7		7E	-	3	3	-	1	1	-	5	5	-	3	3	0	1
ORIENT 6 ELK PRAIRIE	7		7F	-	3	3	-	1	1	-	5	5	-	3	3	0	1
ORIENT 6 ELK PRAIRIE	7		7G	-	3	3	-	1	1	-	5	5	-	3	3	0	1
ORIENT 6 ELK PRAIRIE	7		7H	-	4	4	-	1	1	-	2	2	-	5	5	12	3
ORIENT 6 ELK PRAIRIE	7		8A	-	1	1	-	1	1	-	1	1	-	5	5	13	3
ORIENT 6 ELK PRAIRIE	7		8B	-	1	1	-	1	1	-	3	3	-	5	5	13	6
ORIENT 6 ELK PRAIRIE	7		8C	-	2	2	-	1	1	-	5	5	-	1	1	13	6
ORIENT 6 ELK PRAIRIE	7		8D	-	1	1	-	1	1	-	5	5	-	1	1	14	6
ORIENT 6 ELK PRAIRIE	7		8E	-	2	2	-	1	1	-	5	5	-	3	3	72	1
ORIENT 6 ELK PRAIRIE	7		8F	-	2	2	-	1	1	-	5	5	-	3	3	72	1
ORIENT 6 ELK PRAIRIE	7		8G	-	3	3	-	1	1	-	5	5	-	3	3	0	1
ORIENT 6 ELK PRAIRIE	7		8H	-	4	4	-	1	1	-	3	3	-	5	5	13	1
ORIENT 6 ELK PRAIRIE	18		1A	-	-	1	-	-	1	-	-	1	-	-	5	13	6
ORIENT 6 ELK PRAIRIE	18		1B	-	-	1	-	-	1	-	-	1	-	-	5	13	3
ORIENT 6 ELK PRAIRIE	18		1C	-	-	1	-	-	1	-	-	3	-	-	5	13	3
ORIENT 6 ELK PRAIRIE	18		1D	-	-	1	-	-	1	-	-	3	-	-	5	13	3
ORIENT 6 ELK PRAIRIE	18		1E	-	-	1	-	-	1	-	-	3	-	-	5	13	3
ORIENT 6 ELK PRAIRIE	18		1F	-	-	1	-	-	1	-	-	3	-	-	5	13	3
ORIENT 6 ELK PRAIRIE	18		1G	-	-	1	-	-	1	-	-	3	-	-	5	72	1
ORIENT 6 ELK PRAIRIE	18		1H	-	-	1	-	-	1	-	-	3	-	-	5	13	6
ORIENT 6 ELK PRAIRIE	18		2A	-	-	1	-	-	1	-	-	1	-	-	5	13	10
ORIENT 6 ELK PRAIRIE	18		2B	-	-	4	-	-	1	-	-	1	-	-	5	13	6
ORIENT 6 ELK PRAIRIE	18		2C	-	-	1	-	-	1	-	-	5	-	-	1	13	6
ORIENT 6 ELK PRAIRIE	18		2D	-	-	1	-	-	1	-	-	5	-	-	1	14	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 6 ELK PRAIRIE		18	2E	-	-	1	-	-	1	-	-	5	-	-	1	13	10
ORIENT 6 ELK PRAIRIE		18	2F	-	-	1	-	-	1	-	-	3	-	-	5	13	6
ORIENT 6 ELK PRAIRIE		18	2G	-	-	1	-	-	1	-	-	5	-	-	3	108	1
ORIENT 6 ELK PRAIRIE		18	2H	-	-	2	-	-	4	-	-	5	-	-	3	108	1
ORIENT 6 ELK PRAIRIE		18	3A	-	-	3	-	-	1	-	-	1	-	-	5	0	1
ORIENT 6 ELK PRAIRIE		18	3B	-	-	4	-	-	1	-	-	1	-	-	5	13	10
ORIENT 6 ELK PRAIRIE		18	3C	-	-	2	-	-	1	-	-	5	-	-	1	13	3
ORIENT 6 ELK PRAIRIE		18	3D	-	-	1	-	-	1	-	-	5	-	-	4	13	6
ORIENT 6 ELK PRAIRIE		18	3E	-	-	1	-	-	1	-	-	5	-	-	1	14	10
ORIENT 6 ELK PRAIRIE		18	3F	-	-	2	-	-	1	-	-	3	-	-	5	108	1
ORIENT 6 ELK PRAIRIE		18	3G	-	-	2	-	-	1	-	-	5	-	-	3	108	1
ORIENT 6 ELK PRAIRIE		18	3H	-	-	1	-	-	1	-	-	3	-	-	5	108	1
ORIENT 6 ELK PRAIRIE		18	4A	-	-	1	-	-	1	-	-	1	-	-	5	13	6
ORIENT 6 ELK PRAIRIE		18	4B	-	-	1	-	-	1	-	-	1	-	-	5	13	3
ORIENT 6 ELK PRAIRIE		18	4C	-	-	1	-	-	1	-	-	3	-	-	5	13	6
ORIENT 6 ELK PRAIRIE		18	4D	-	-	2	-	-	1	-	-	5	-	-	1	14	6
ORIENT 6 ELK PRAIRIE		18	4E	-	-	2	-	-	1	-	-	5	-	-	3	108	1
ORIENT 6 ELK PRAIRIE		18	4F	-	-	2	-	-	1	-	-	3	-	-	5	13	10
ORIENT 6 ELK PRAIRIE		18	4G	-	-	1	-	-	1	-	-	5	-	-	2	13	6
ORIENT 6 ELK PRAIRIE		18	4H	-	-	1	-	-	1	-	-	5	-	-	2	13	6
ORIENT 6 ELK PRAIRIE		18	5A	-	-	1	-	-	1	-	-	1	-	-	5	13	6
ORIENT 6 ELK PRAIRIE		18	5B	-	-	1	-	-	1	-	-	1	-	-	5	13	3
ORIENT 6 ELK PRAIRIE		18	5C	-	-	4	-	-	1	-	-	1	-	-	5	13	10
ORIENT 6 ELK PRAIRIE		18	5D	-	-	1	-	-	1	-	-	2	-	-	5	13	3
ORIENT 6 ELK PRAIRIE		18	5E	-	-	1	-	-	1	-	-	2	-	-	5	108	1
ORIENT 6 ELK PRAIRIE		18	5F	-	-	2	-	-	1	-	-	3	-	-	5	13	10
ORIENT 6 ELK PRAIRIE		18	5G	-	-	2	-	-	1	-	-	5	-	-	1	13	6
ORIENT 6 ELK PRAIRIE		18	5H	-	-	2	-	-	1	-	-	3	-	-	5	13	3
ORIENT 6 ELK PRAIRIE		18	6A	-	-	3	-	-	1	-	-	1	-	-	5	0	1
ORIENT 6 ELK PRAIRIE		18	6B	-	-	1	-	-	1	-	-	1	-	-	5	382	1
ORIENT 6 ELK PRAIRIE		18	6C	-	-	4	-	-	1	-	-	1	-	-	5	382	1
ORIENT 6 ELK PRAIRIE		18	6D	-	-	1	-	-	1	-	-	5	-	-	1	13	10
ORIENT 6 ELK PRAIRIE		18	6E	-	-	1	-	-	2	-	-	5	-	-	2	14	6
ORIENT 6 ELK PRAIRIE		18	6F	-	-	2	-	-	1	-	-	2	-	-	5	13	3
ORIENT 6 ELK PRAIRIE		18	6G	-	-	2	-	-	1	-	-	5	-	-	1	13	3
ORIENT 6 ELK PRAIRIE		18	6H	-	-	2	-	-	1	-	-	5	-	-	1	13	6
ORIENT 6 ELK PRAIRIE		18	7A	-	-	1	-	-	1	-	-	1	-	-	5	13	3
ORIENT 6 ELK PRAIRIE		18	7B	-	-	1	-	-	1	-	-	1	-	-	5	13	3
ORIENT 6 ELK PRAIRIE		18	7C	-	-	4	-	-	1	-	-	1	-	-	5	13	3
ORIENT 6 ELK PRAIRIE		18	7D	-	-	1	-	-	2	-	-	5	-	-	1	13	10
ORIENT 6 ELK PRAIRIE		18	7E	-	-	1	-	-	1	-	-	5	-	-	1	13	6
ORIENT 6 ELK PRAIRIE		18	7F	-	-	1	-	-	1	-	-	3	-	-	5	13	3
ORIENT 6 ELK PRAIRIE		18	7G	-	-	1	-	-	1	-	-	5	-	-	3	13	1
ORIENT 6 ELK PRAIRIE		18	7H	-	-	1	-	-	1	-	-	5	-	-	1	13	3
ORIENT 6 ELK PRAIRIE		18	8A	-	-	1	-	-	1	-	-	1	-	-	5	13	6
ORIENT 6 ELK PRAIRIE		18	8B	-	-	1	-	-	1	-	-	1	-	-	5	13	10
ORIENT 6 ELK PRAIRIE		18	8C	-	-	1	-	-	1	-	-	1	-	-	5	13	3
ORIENT 6 ELK PRAIRIE		18	8D	-	-	2	-	-	1	-	-	3	-	-	5	13	10
ORIENT 6 ELK PRAIRIE		18	8E	-	-	4	-	-	1	-	-	5	-	-	1	13	3

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 6	ELK PRAIRIE	18	8F	-	-	1	-	-	1	-	-	2	-	-	5	13	1
ORIENT 6	ELK PRAIRIE	18	8G	-	-	1	-	-	1	-	-	3	-	-	5	13	3
ORIENT 6	ELK PRAIRIE	18	8H	-	-	1	-	-	1	-	-	5	-	-	2	13	6
ORIENT 6	McCLELLAN	31	1A	-	1	1	-	1	1	-	1	1	-	5	5	13	10
ORIENT 6	McCLELLAN	31	1B	-	1	1	-	1	1	-	1	1	-	5	5	13	3
ORIENT 6	McCLELLAN	31	1C	-	1	1	-	1	1	-	1	1	-	5	5	13	6
ORIENT 6	McCLELLAN	31	1D	-	1	1	-	1	1	-	1	1	-	5	5	13	10
ORIENT 6	McCLELLAN	31	1E	-	1	1	-	1	1	-	1	1	-	5	5	13	3
ORIENT 6	McCLELLAN	31	1F	-	1	1	-	1	1	-	3	3	-	5	5	13	10
ORIENT 6	McCLELLAN	31	1G	-	1	1	-	4	3	-	5	5	-	3	3	108	1
ORIENT 6	McCLELLAN	31	1H	-	1	1	-	1	1	-	5	5	-	3	3	108	1
ORIENT 6	McCLELLAN	31	2A	-	1	1	-	1	1	-	1	1	-	5	5	13	10
ORIENT 6	McCLELLAN	31	2B	-	1	1	-	1	1	-	1	1	-	5	5	13	3
ORIENT 6	McCLELLAN	31	2C	-	1	1	-	1	2	-	1	1	-	5	5	13	1
ORIENT 6	McCLELLAN	31	2D	-	1	1	-	1	2	-	1	1	-	5	5	72	1
ORIENT 6	McCLELLAN	31	2E	-	1	1	-	2	2	-	1	1	-	5	5	4	6
ORIENT 6	McCLELLAN	31	2F	-	1	1	-	2	2	-	2	2	-	5	5	4	6
ORIENT 6	McCLELLAN	31	2G	-	1	1	-	3	2	-	5	5	-	1	1	108	1
ORIENT 6	McCLELLAN	31	2H	-	1	1	-	1	1	-	5	5	-	3	3	108	1
ORIENT 6	McCLELLAN	31	3A	-	1	1	-	1	2	-	1	1	-	5	5	4	6
ORIENT 6	McCLELLAN	31	3B	-	2	2	-	1	1	-	1	1	-	5	5	4	6
ORIENT 6	McCLELLAN	31	3C	-	1	1	-	1	1	-	1	1	-	5	5	4	3
ORIENT 6	McCLELLAN	31	3D	-	1	1	-	1	1	-	1	1	-	5	5	3	3
ORIENT 6	McCLELLAN	31	3E	-	1	1	-	1	1	-	1	1	-	5	5	4	3
ORIENT 6	McCLELLAN	31	3F	-	1	1	-	1	1	-	2	2	-	5	5	4	6
ORIENT 6	McCLELLAN	31	3G	-	1	1	-	2	1	-	5	5	-	1	1	3	3
ORIENT 6	McCLELLAN	31	3H	-	4	4	-	1	1	-	2	2	-	5	5	3	6
ORIENT 6	McCLELLAN	31	4A	-	1	1	-	1	1	-	3	3	-	5	5	4	3
ORIENT 6	McCLELLAN	31	4B	-	1	1	-	1	1	-	3	3	-	5	5	4	6
ORIENT 6	McCLELLAN	31	4C	-	1	1	-	1	1	-	3	3	-	5	5	4	6
ORIENT 6	McCLELLAN	31	4D	-	1	1	-	1	1	-	3	3	-	5	5	4	3
ORIENT 6	McCLELLAN	31	4E	-	1	1	-	1	1	-	3	3	-	5	5	4	3
ORIENT 6	McCLELLAN	31	4F	-	1	1	-	1	1	-	3	3	-	5	5	3	3
ORIENT 6	McCLELLAN	31	4G	-	4	4	-	1	1	-	3	3	-	5	5	2	1
ORIENT 6	McCLELLAN	31	4H	-	1	1	-	1	1	-	3	3	-	5	5	2	1
ORIENT 6	McCLELLAN	31	5A	-	2	2	-	1	1	-	1	1	-	5	5	4	3
ORIENT 6	McCLELLAN	31	5B	-	1	1	-	1	1	-	1	1	-	5	5	3	1
ORIENT 6	McCLELLAN	31	5C	-	1	1	-	1	1	-	1	1	-	5	5	4	3
ORIENT 6	McCLELLAN	31	5D	-	1	1	-	1	1	-	2	2	-	5	5	3	1
ORIENT 6	McCLELLAN	31	5E	-	1	1	-	1	1	-	2	3	-	5	5	4	3
ORIENT 6	McCLELLAN	31	5F	-	1	1	-	1	1	-	2	2	-	5	5	2	1
ORIENT 6	McCLELLAN	31	5G	-	1	1	-	1	1	-	2	2	-	5	5	2	1
ORIENT 6	McCLELLAN	31	5H	-	1	1	-	1	1	-	3	3	-	5	5	2	1
ORIENT 6	McCLELLAN	31	6A	-	4	4	-	1	1	-	1	1	-	5	5	4	3
ORIENT 6	McCLELLAN	31	6B	-	1	1	-	1	1	-	1	1	-	5	5	4	3
ORIENT 6	McCLELLAN	31	6C	-	1	1	-	1	1	-	1	1	-	5	5	4	3
ORIENT 6	McCLELLAN	31	6D	-	1	1	-	1	1	-	2	3	-	5	5	4	3
ORIENT 6	McCLELLAN	31	6E	-	1	1	-	1	2	-	2	3	-	5	5	3	1
ORIENT 6	McCLELLAN	31	6F	-	1	1	-	1	2	-	2	2	-	5	5	2	1

ILLINOIS MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987 DATA

LOCATION				LANDUSE			SUBSIDENCE			MINE TYPE			PANEL			SOIL	SLOPE
MINE NAME	TOWNSHIP	SECTION	GRID POINT	1985	1986	1987	1985	1986	1987	1985	1986	1987	1985	1986	1987	85-87	85-87
ORIENT 6	McCLELLAN	31	6G	-	1	1	-	1	2	-	2	2	-	5	5	2	1
ORIENT 6	McCLELLAN	31	6H	-	1	1	-	1	2	-	3	3	-	5	5	2	1
ORIENT 6	McCLELLAN	31	7A	-	1	1	-	1	1	-	1	1	-	5	5	4	3
ORIENT 6	McCLELLAN	31	7B	-	1	1	-	1	1	-	1	1	-	5	5	4	3
ORIENT 6	McCLELLAN	31	7C	-	1	1	-	1	1	-	1	1	-	5	5	3	1
ORIENT 6	McCLELLAN	31	7D	-	1	1	-	1	1	-	2	5	-	5	2	4	3
ORIENT 6	McCLELLAN	31	7E	-	1	1	-	1	4	-	2	5	-	5	3	3	1
ORIENT 6	McCLELLAN	31	7F	-	1	1	-	1	1	-	2	2	-	5	5	3	3
ORIENT 6	McCLELLAN	31	7G	-	1	1	-	1	1	-	2	2	-	5	5	2	1
ORIENT 6	McCLELLAN	31	7H	-	1	1	-	1	1	-	3	3	-	5	5	2	1
ORIENT 6	McCLELLAN	31	8A	-	4	4	-	1	1	-	1	1	-	5	5	4	3
ORIENT 6	McCLELLAN	31	8B	-	4	4	-	1	1	-	1	1	-	5	5	4	3
ORIENT 6	McCLELLAN	31	8C	-	1	1	-	1	1	-	1	1	-	5	5	3	1
ORIENT 6	McCLELLAN	31	8D	-	1	1	-	1	1	-	2	5	-	5	3	2	1
ORIENT 6	McCLELLAN	31	8E	-	1	1	-	1	1	-	2	5	-	5	1	3	3
ORIENT 6	McCLELLAN	31	8F	-	1	1	-	1	1	-	2	2	-	5	5	3	3
ORIENT 6	McCLELLAN	31	8G	-	1	1	-	1	1	-	2	2	-	5	5	2	1
ORIENT 6	McCLELLAN	31	8H	-	1	1	-	1	1	-	3	3	-	5	5	2	1

KEY TO CODES OF MINE SUBSIDENCE RESEARCH PROGRAM 1985-1987

MINE NAME	TOWNSHIP	SECTION	GRIDPOINT	LANDUSE	SUBSIDENCE EFFECT	MINING TYPE	PANEL ORIENTATION TO NATURAL DRAINS
INLAND	BALD HILL	1 TO 36	A1 TO A8	1)AGRICULTURE	1)NONE	1)NOT MINED	1)PARALLEL (NO DAM)
OLD BEN 21	BARREN		B1 TO B8	2)FOREST	2)SLIGHT(YELLOW)	2)UNMINED IN MINE	2)PERPENDICULAR (DAM)
OLD BEN 24	BENTON		C1 TO C8	3)WATER	3)MODERATE(ORANGE)	3)ROOM & PILLAR	3)SLOPE NEARLY ZERO
OLD BEN 25&27	BLISSVILLE		D1 TO D8	4)URBAN/OTHER	4)SEVERE(RED)	4)LONGWALL	4)COMPLEX SLOPE (CENTER OF PANEL)
OLD BEN 26	BROWNING		E1 TO E8			5)HI XTRACT RETREAT	5)NOT HI EXTRACTION OR LONGWALL
ORIENT 3	CAVE		F1 TO F8			6)OTHER MINE	MINE
ORIENT 4	CORINTH		G1 TO G8				
ORIENT 6	ELK PRAIRIE		H1 TO H8				
	FRANKFORT						
	GOODE						
	LAKE CREEK						
	MCCLELLAN						
	CRAB ORCHARD						
	EAST MARION						

CODE	NAME	SOIL TYPE FRANKLIN CO.	JEFFERSON CO.	PRIME/IMPORTANT(SLOPE)
0	WATER			
2	CISNE	330A GRAY SIL TIGHT C	57A GRAY SIL TIGHT C	PRIME
3	HOYLETON	330B,C GRAY SIL TIGHT C	57B,C GRAY SIL TIGHT C	PRIME
			38A GRAY RED SIL TIGHT C	
4	RICHVIEW		38B,C GRAY RED SIL TITE C	PRIME (1,3) IMP (6,10)
5	BLAIR			IMPORTANT
8	HICKORY			IMPORTANT
12	WYNOOSE	332 LITEGRAY SIL TIGHT C	44 LITE GRAY SIL TIGHT C	IMPORTANT
13	BLUFORD	34,334 YELLOW GRAY SIL	5 YELLOW GRAY SIL	PRIME (1,3) IMP (6)
14	AVA	35,335 YELLOW SIL	8 YELLOW SIL	PR (1,3) IMP (6,10,15)
		234 YELLOW-GRAY SIL		
72	SHARON	1354 MIXED LOAM	18 MIXED LOAM	PRIME
84	OKAW	1532 LITEGRAY SIL TIGHT C		IMPORTANT
108	BONNIE	1331 DEEP GRAY SIL	13 DEEP GRAY SIL	PRIME
109	RACOON	1531 DEEP GRAY SIL	26 DEEP GRAY SIL	PRIME
382	BELKNAP	1331 DEEP GRAY SIL		PRIME
533	URBAN/DISTURBED			
814	HICKORY-AVA			IMPORTANT

SLOPE %
1)A 0-1.5%
3)B 1.5-4%
6)C 4-7%
10)D 7-12%
15)E 12-18%
24)F 18-30%
40)G >30%

APPENDIX B. CORN HARVEST DATA

APPENDIX B. CORN YIELD DATA. Key to data codes is given at end of Appendix A.

CORN YIELD 1985: SUMMARY

MINE	TOWNSHIP	SECTION	PHOTO#	SAMPLE#	MINETYPE	EFFECT	WIDTH (IN.)	MOISTURE (%)	GRAIN (LBS.)	YIELD BU/A	YIELD KG/HA
0825/27	FRANKFORT	35	264	1	4	4	30	15.0	0.0	0.0	0.0
0825/27	FRANKFORT	35	264	2	4	1	30	15.6	26.5	194.9	12250.6
0825/27	FRANKFORT	27	261	3	4	2	30	15.8	20.6	151.2	9500.6
0825/27	FRANKFORT	27	261	4	4	1	30	14.2	16.9	126.4	7942.3
0825/27	FRANKFORT	27	261	5	4	4	30	15.0	0.0	0.0	0.0
0825/27	FRANKFORT	36	266	6	4	4	30	--	0.0	0.0	0.0
0825/27	FRANKFORT	36	266	7	4	3	30	14.8	16.4	121.8	7653.4
0825/27	FRANKFORT	36	266	8	4	1	30	19.0	27.2	192.0	12067.7
ORIENT4	CORINTH	31	291	9	5	2	40	15.2	17.3	95.9	6026.6
ORIENT4	CORINTH	31	291	10	5	1	40	12.6	12.3	70.3	4416.2
ORIENT4	CORINTH	31	291	11	5	4	40	11.3	4.8	27.8	1749.0
ORIENT4	CORINTH	30	285	12	5	2	30	12.2	7.8	59.7	3751.1
ORIENT4	CORINTH	30	285	13	5	1	30	13.9	12.7	95.3	5989.3
ORIENT4	CORINTH	23	275	14	5	3	30	14.0	15.9	119.2	7489.7
ORIENT4	CORINTH	23	275	15	5	1	30	14.0	19.6	146.9	9232.6
ORIENT4	CORINTH	23	275	16	5	NO SAMPLE	30	NO SAMPLE	DATA	TAKEN	NO SAMPLE
ORIENT4	CORINTH	23	275	17	5	4	30	12.8	1.7	12.9	812.0
0824	BROWNING	12	234	18	5	3	30	13.7	14.1	106.0	6665.0
0824	BROWNING	12	234	19	5	1	30	17.0	26.0	188.1	11820.1
0824	BROWNING	12	234	20	5	4	30	11.7	2.9	22.3	1402.6
0824	BROWNING	12	234	21	5	3	30	13.2	8.9	67.3	4231.4
0824	BROWNING	12	234	22	5	1	30	20.5	28.3	196.1	12323.2
0824	BROWNING	12	234	23	5	3	30	18.3	10.5	74.8	4698.7
0821	GOODE	2	218	24	5	2	30	12.7	14.4	109.6	6885.7
0821	GOODE	2	218	25	5	1	30	18.9	19.4	137.1	8617.7
INLAND	BALDHILL	36	211	26	5	4	30	11.8	5.7	43.8	2753.7
INLAND	BALDHILL	36	211	27	5	3	30	14.4	11.4	85.0	5345.0
INLAND	BALDHILL	36	211	28	5	1	30	15.4	22.9	168.8	10611.5
INLAND	BALDHILL	24	211	29	5	2	30	15.6	15.0	110.3	6934.3
INLAND	BALDHILL	24	211	30	5	1	30	14.0	14.2	106.4	6688.9
ORIENT3	BALDHILL	12	186	31	5	3	30	12.8	4.7	35.7	2244.8
ORIENT3	BALDHILL	12	186	32	5	1	30	15.6	14.1	103.7	6518.3
ORIENT3	BALDHILL	12	186	33	5	4	30	15.0	0.0	0.0	0.0
INLAND	BALDHILL	24	211	34	5	3	30	21.6	6.5	44.4	2791.3
INLAND	ELKPRAIRIE	31	212	35	5	3	40	14.6	2.8	15.6	982.3
INLAND	ELKPRAIRIE	31	212	36	5	1	40	20.2	20.8	108.5	6818.6
INLAND	ELKPRAIRIE	31	212	37	5	3	40	21.0	7.6	39.2	2466.4
INLAND	ELKPRAIRIE	31	212	38	5	1	40	17.8	14.4	77.4	4862.6
ORIENT3	BLISSVILLE	33	162	39	5	3	34	12.8	0.6	4.0	252.9
ORIENT3	BLISSVILLE	33	162	40	5	2	34	15.2	16.5	107.6	6762.3
ORIENT3	BLISSVILLE	33	162	41	5	1	34	14.2	20.0	132.0	8293.3

MINE SITE 1985: SUMMARY

MINE SITE	YIELD BU/A	REDUCTION YIELD BU/A CONTROL-YELLOW BU/A	%	CONTROL-ORANGE BU/A	%	CONTROL-RED BU/A	%
A	194.9					194.92	100%
B	126.4	-24.83	-20%			126.37	100%
C	192.0			70.2	37%	192.01	100%
D	70.3	-25.63	-36%			42.47	60%
E	95.3	35.60	37%				
F	146.9			27.7	19%	134.00	91%
G	188.1			142.5	76%	165.77	88%
H	196.1			121.3	62%		
I	137.1	27.52	20%				
J	168.8			83.8	50%	125.04	74%
K	106.4	-3.87	-4%	62.0	58%		
L	103.7			68.0	66%	103.71	100%
M	108.5			92.9	86%		
N	77.4			38.2	49%		
O	132.0	24.35	18%	128.0	97%		
AVERAGE	136.25	12.83	1%	83.5	60%	131.22	89%

CORN YIELD 1986: SUMMARY

MINE	TOWNSHIP	SECTION	PHOTO#	SAMPLE#	SITE	MINE TYPE	EFFECT	WIDTH (IN.)	MOISTURE (%)	GRAIN (LBS.)	YIELD BU/A	YIELD KG/HA
ORIENT 3	BALD HILL	1	147-020	1	1-C	5	1	30	28.0	24.6	154.4	9701.5
ORIENT 3	BALD HILL	1	147-020	2	1-Y	5	2	30	25.9	13.3	85.9	5401.7
ORIENT 3	BALD HILL	1	147-020	3	1-O	5	3	30	22.8	5.0	33.6	2114.3
ORIENT 3	BALD HILL	1	147-020	4	2-C	5	1	30	27.0	21.0	133.6	8396.8
ORIENT 3	BALD HILL	1	147-020	5	2-Y	5	2	30	22.6	19.3	130.2	8182.2
ORIENT 3	BALD HILL	11	147-035	6	3-C	5	1	38	27.0	17.6	88.4	5555.8
ORIENT 3	BALD HILL	11	147-035	7	3-Y	5	2	38	28.9	19.8	96.9	6087.5
ORIENT 3	BALD HILL	11	147-035	8	3-O	5	3	38	33.6	3.3	15.1	948.2
ORIENT 3	BALD HILL	11	147-035	9	3-R	5	4	38	34.5	0.6	2.7	169.9
ORIENT 3	BALD HILL	11	147-035	10	4-C	5	1	30	21.3	24.1	165.4	10395.3
ORIENT 3	BALD HILL	11	147-035	11	4-O	5	3	30	25.5	10.8	70.1	4407.1
ORIENT 3	BALD HILL	11	147-035	12	4-R	5	4	30	0.0	0.0	0.0	0.0
ORIENT 3	BALD HILL	11	147-035	13	5-C	5	1	30	20.1	18.1	126.0	7921.3
ORIENT 3	BALD HILL	11	147-035	14	5-Y	5	2	30	22.3	14.5	98.2	6171.0
ORIENT 3	BALD HILL	5	147-027	15	6-C	5	1	30	23.0	24.4	163.7	10290.8
ORIENT 3	BALD HILL	5	147-027	16	6-Y	5	2	30	29.8	16.3	99.7	6267.5
ORIENT 3	BALD HILL	5	147-027	17	6-O	5	3	30	34.6	4.0	22.8	1432.9
ORIENT 4	CORINTH	30	147-167	18	7-C	5	1	30	22.3	12.0	81.3	5107.1
ORIENT 4	CORINTH	30	147-167	19	7-Y	5	2	30	20.1	7.4	51.5	3238.5
ORIENT 4	CORINTH	30	147-167	20	7-O	5	3	30	28.1	4.0	25.1	1575.3
ORIENT 4	CORINTH	30	147-167	21	7-R	5	4	30	0.0	0.0	0.0	0.0
ORIENT 4	LAKE CREEK	25	147-165	22	8-C	5	1	38	24.3	22.5	117.3	7370.1
ORIENT 4	LAKE CREEK	25	147-165	23	8-Y	5	2	38	24.0	23.3	121.9	7662.4
ORIENT 4	LAKE CREEK	25	147-165	24	8-O	5	3	38	26.1	4.6	23.4	1470.0
ORIENT 4	LAKE CREEK	20	147-156	25	9-C	5	1	30	21.9	22.7	154.5	9710.6
ORIENT 4	LAKE CREEK	20	147-156	26	9-Y	5	2	30	24.1	27.0	178.7	11232.1
ORIENT 4	LAKE CREEK	20	147-156	27	9-O	5	3	30	26.5	30.8	197.3	12399.6
O.B. 25 & 27	FRANKFORT	35	147-148	28	10-C	4	1	30	19.7	21.3	149.1	9368.4
O.B. 25 & 27	FRANKFORT	35	147-148	29	10-Y	4	2	30	21.8	20.6	140.4	8823.6
O.B. 25 & 27	FRANKFORT	35	147-148	30	10-O	4	3	30	25.3	12.5	81.4	5114.5
O.B. 25 & 27	FRANKFORT	35	147-148	31	10-R	4	4	30	0.0	0.0	0.0	0.0
O.B. 25 & 27	FRANKFORT	27	147-141	32	11-C	4	1	30	21.3	29.2	200.3	12587.2
O.B. 25 & 27	FRANKFORT	27	147-141	33	11-Y	4	2	30	21.3	30.5	209.2	13147.5
O.B. 25 & 27	FRANKFORT	27	147-141	34	11-R	4	4	30	0.0	0.0	0.0	0.0
O.B. 25 & 27	FRANKFORT	27	147-141	35	12-C	4	1	30	26.1	28.5	183.5	11536.1
O.B. 25 & 27	FRANKFORT	27	147-141	36	12-Y	4	2	30	28.0	30.8	193.3	12146.6
O.B. 25 & 27	FRANKFORT	27	147-141	37	12-O	4	3	30	25.7	6.9	44.7	2810.0
O.B. 25 & 27	FRANKFORT	27	147-141	38	12-R	4	4	30	0.0	0.0	0.0	0.0
O.B. 26	BARREN	32	147-099	39	13-C	4	1	30	25.8	13.2	85.4	5364.7
O.B. 26	BARREN	32	147-099	40	13-Y	4	2	30	26.7	14.8	94.6	5946.1
O.B. 26	BARREN	32	147-099	41	13-O	4	3	30	30.3	12.2	74.1	4657.6
O.B. 26	BARREN	32	147-099	42	13-R	4	4	30	29.5	0.4	2.5	154.5
O.B. 26	BARREN	31	147-098	43	14-C	4	1	30	23.5	9.0	60.0	3773.6
O.B. 26	BARREN	31	147-098	44	14-Y	4	2	30	28.5	7.0	43.6	2743.3
O.B. 26	BARREN	31	147-098	45	14-O	4	3	30	28.9	5.6	34.7	2182.4
O.B. 26	BARREN	31	147-099	46	14-R	4	4	30	0.0	0.0	0.0	0.0

CORN YIELD 1986: SUMMARY

MINE	TOWNSHIP	SECTION	PHOTO#	SAMPLE#	SITE	MINE TYPE	EFFECT	WIDTH (IN.)	MOISTURE (%)	GRAIN (LBS.)	YIELD BU/A	YIELD KG/HA
O.B. 26	BARREN	30	147-095	47	15-C	4	1	30	26.2	26.3	169.2	10631.2
O.B. 26	BARREN	30	147-095	48	15-Y	4	2	30	24.7	13.5	88.7	5571.7
O.B. 26	BARREN	30	147-095	49	15-O	4	3	30	27.7	0.4	2.5	158.4
O.B. 26	BARREN	30	147-095	50	16-C	4	1	30	27.9	9.2	57.8	3633.2
O.B. 26	BARREN	30	147-095	51	16-O	4	3	30	29.1	5.7	35.2	2213.6
O.B. 26	BARREN	30	147-095	52	17-C	4	1	30	32.1	12.0	71.1	4466.2
O.B. 26	BARREN	30	147-095	53	17-Y	4	2	30	21.4	13.8	94.5	5941.2
O.B. 26	BARREN	30	147-095	54	17-O	4	3	30	25.9	19.1	123.3	7752.1
O.B. 26	BARREN	30	147-095	55	18-C	4	1	30	26.4	18.2	116.7	7337.0
O.B. 26	BARREN	30	147-095	56	18-Y	4	2	30	20.1	18.5	128.8	8096.3
O.B. 21	GOODE	23	147-085	57	19-C	4	1	38	26.7	27.9	140.7	8843.3
O.B. 21	GOODE	23	147-085	58	19-Y	4	2	38	28.7	23.6	115.8	7276.3
O.B. 21	GOODE	23	147-085	59	19-O	4	3	38	26.3	15.1	76.6	4812.3
O.B. 21	GOODE	23	147-085	60	19-R	4	4	38	0.0	0.0	0.0	0.0
O.B. 21	GOODE	23	147-085	61	20-C	4	1	38	24.9	26.1	134.9	8475.9
O.B. 21	GOODE	23	147-085	62	20-Y	4	2	38	25.6	23.5	120.3	7560.5
O.B. 21	GOODE	23	147-085	63	20-O	4	3	38	27.5	12.2	60.9	3827.4
O.B. 21	GOODE	1	147-064	64	21-C	5	1	30	23.8	19.9	132.2	8305.7
O.B. 21	GOODE	1	147-064	65	21-Y	5	2	30	26.3	21.1	135.5	8517.7
O.B. 21	GOODE	1	147-064	66	21-O	5	3	30	24.5	5.2	34.2	2150.4
O.B. 21	GOODE	1	147-064	67	22-C	5	1	30	22.5	25.6	172.9	10867.0
O.B. 21	GOODE	1	147-064	68	22-Y	5	2	30	26.9	15.3	97.5	6126.0
ORIENT 3	BALD HILL	16	147-044	69	23-C	5	1	30	29.2	11.0	67.9	4265.8
ORIENT 3	BALD HILL	16	147-044	70	23-Y	5	2	30	23.4	20.6	137.5	8643.0
ORIENT 3	BALD HILL	16	147-044	71	23-O	5	3	30	35.1	0.5	2.8	177.7
ORIENT 3	BALD HILL	16	147-044	72	24-C	5	1	30	27.2	16.7	106.0	6659.1
ORIENT 3	BALD HILL	16	147-044	73	24-Y	5	2	30	30.1	14.1	85.9	5398.4
ORIENT 3	BALD HILL	16	147-044	74	24-O	5	3	30	0.0	0.0	0.0	0.0
ORIENT 3	BALD HILL	5	147-027	75	25-C	5	1	38	20.6	10.3	56.3	3536.4
ORIENT 3	BALD HILL	5	147-027	76	25-Y	5	2	38	13.3	18.4	109.8	6898.3
ORIENT 3	BALD HILL	5	147-027	77	26-C	5	1	30	12.5	7.7	58.7	3690.4
ORIENT 3	BALD HILL	5	147-027	78	26-O	5	3	30	13.3	0.7	5.3	332.4
ORIENT 3	BALD HILL	5	147-027	79	27-C	5	1	30	16.1	14.7	107.5	6755.4
ORIENT 3	BALD HILL	5	147-027	80	27-Y	5	2	30	19.1	13.0	91.7	5760.5
ORIENT 3	BALD HILL	5	147-027	81	28-C	5	1	30	13.2	8.0	60.5	3803.5
ORIENT 3	BALD HILL	5	147-027	82	28-O	5	3	30	16.5	3.3	24.0	1509.3
ORIENT 3	BALD HILL	5	147-027	83	28-R	5	4	30	0.0	0.0	0.0	0.0

MINE SITE 1986: SUMMARY

MINE TYPE	MINE SITE	YIELD BU/A	REDUCTION YIELD BU/A CONTROL-YELLOW BU/A	%	CONTROL-ORANGE BU/A	%	CONTROL-RED BU/A	%
4	10	149.1	-29.7	-20%	67.7	45%	149.1	100%
4	11	200.3	59.9	30%	N/D	-	200.3	100%
4	12	183.5	-9.8	-5%	138.8	76%	183.5	100%
4	13	85.4	-9.2	-11%	11.3	13%	82.9	97%
4	14	60.0	16.4	27%	25.3	42%	60.0	100%
4	15	169.2	80.5	48%	166.7	99%	N/D	-
4	16	57.8	N/D	-	22.6	39%	N/D	-
4	17	71.1	-23.4	-33%	-52.2	-73%	N/D	-
4	18	116.7	-12.1	-10%	N/D	-	N/D	-
4	19	140.7	24.9	18%	64.1	46%	140.7	100%
4	20	134.9	14.6	11%	74.0	55%	N/D	-
5	1	154.4	68.5	44%	120.8	78%	N/D	-
5	2	133.6	3.4	3%	N/D	-	N/D	-
5	3	88.4	-8.5	-10%	73.3	83%	85.7	97%
5	4	165.4	N/D	-	95.3	58%	165.4	100%
5	5	126.0	27.8	22%	N/D	-	N/D	-
5	6	163.7	64.0	39%	140.9	86%	N/D	-
5	7	81.3	29.8	37%	56.2	69%	81.3	100%
5	8	117.3	-4.6	-4%	93.9	80%	N/D	-
5	9	154.5	-24.2	-16%	-42.8	-28%	N/D	-
5	21	132.2	-3.3	-2%	98.0	74%	N/D	-
5	22	172.9	75.4	44%	N/D	-	N/D	-
5	23	67.9	-69.6	-103%	65.1	96%	N/D	-
5	24	106.0	20.1	19%	106.0	100%	N/D	-
5	25	56.3	-53.5	-95%	N/D	-	N/D	-
5	26	58.7	N/D	-	53.4	91%	N/D	-
5	27	107.5	15.8	15%	N/D	-	N/D	-
5	28	60.5	N/D	-	36.5	60%	60.5	100%

CORN YIELD 1987: SUMMARY

LOCATION									CORN									
									WTH	COB WT	GRAIN	MOIST	YIELD	YIELD	EARS	KERNEL		
MINE	TOWNS	SEC	PHOTO	SOIL	SAMPL	SITE	MINE	SIE	(IN.)	(LBS.)	(LBS.	(%)	BU/A	KG/HA		WT.(gm)	DENS(g/cc)	PROTEIN	OIL
OR 4	L CRK	14	158	14	1	1-C	HER	1	30	26.0	20.0	16.5	145.5	9147.2	55	32.99	0.72	10.14	4.69
OR 4	L CRK	14	158	14	2	1-Y	HER	2	30	21.2	16.6	21.0	114.3	7183.0	50	30.05	0.74	8.50	4.43
OR 4	L CRK	14	158	14	3	1-O	HER	3	30	13.2	10.0	17.9	71.5	4496.9	42	27.72	0.72	8.51	4.82
OR 4	L CRK	14	158	14	4	1-R	HER	4	30	6.2	4.7	22.7	31.7	1990.0	10	32.49	0.74	10.83	4.75
BEN 25	FRANK	36	154	13	5	2-C	LW	1	30	29.9	25.7	13.6	193.5	12162.3	53	34.94	0.77	9.30	4.70
BEN 25	FRANK	36	154	13	6	2-Y	LW	2	30	28.7	24.5	14.5	182.6	11473.7	54	31.88	0.75	7.48	4.86
BEN 25	FRANK	36	154	13	7	2-O	LW	3	30	7.7	6.0	17.6	43.1	2708.0	46	25.62	0.70	8.13	4.33
BEN 25	FRANK	36	154	13	8	2-R	LW	4	30	0.5	0.3	19.6	2.1	132.1	8	24.45	0.73	11.27	4.76
BEN 25	FRANK	35	155	2	9	3-C	LW	1	30	36.4	30.4	19.5	213.3	13404.2	66	34.70	0.77	9.55	4.67
BEN 25	FRANK	35	155	2	10	3-Y	LW	2	30	31.6	26.5	20.5	183.6	11539.4	45	38.65	0.78	9.85	4.91
BEN 25	FRANK	35	155	2	11	3-O	LW	3	30	12.3	10.1	17.9	72.3	4541.9	41	24.53	0.73	7.83	4.19
BEN 25	FRANK	35	155	13	12	4-C	LW	1	30	32.1	27.3	20.0	190.3	11962.5	49	36.15	0.77	10.02	4.58
BEN 25	FRANK	35	155	13	13	4-Y	LW	2	30	31.7	26.8	19.0	189.2	11890.2	56	35.77	0.76	9.83	4.17
BEN 25	FRANK	26	146	3	14	5-C	LW	1	30	29.3	25.3	17.7	181.5	11404.9	46	33.92	0.72	11.25	4.36
BEN 25	FRANK	26	146	3	15	5-Y	LW	2	30	28.5	24.7	17.8	176.9	11120.9	45	34.20	0.73	11.30	3.98
BEN 25	FRANK	27	145	2	16	6-C	LW	1	30	29.3	24.2	19.1	170.6	10723.4	57	29.89	0.78	10.10	4.57
BEN 25	FRANK	27	145	2	17	6-Y	LW	2	30	25.5	20.9	21.4	143.2	8997.9	46	31.24	0.75	9.34	4.98
BEN 25	FRANK	26	146	2	18	7-C	LW	1	30	28.9	24.9	14.2	186.2	11701.9	49	33.56	0.71	11.40	3.95
BEN 25	FRANK	26	146	2	19	7-Y	LW	2	30	23.5	20.1	15.4	148.2	9314.0	43	31.66	0.76	9.62	4.01
BEN 25	FRANK	27	145	2	20	8-C	LW	1	30	31.4	25.7	23.6	171.1	10754.7	50	32.58	0.71	9.92	4.78
BEN 25	FRANK	27	145	2	21	8-Y	LW	2	30	25.1	20.4	22.4	138.0	8670.9	45	32.17	0.73	8.76	5.01
BEN 25	FRANK	27	145	2	22	9-C	LW	1	30	29.5	25.3	16.4	184.3	11585.0	50	32.38	0.76	9.56	4.48
BEN 25	FRANK	27	145	2	23	9-Y	LW	2	30	26.1	22.5	16.0	164.7	10352.2	48	33.03	0.77	10.20	4.51
BEN 25	FRANK	27	145	2	24	9-O	LW	3	30	9.3	7.2	25.0	47.1	2957.8	33	26.18	0.72	8.04	4.42
BEN 25	FRANK	27	145	2	25	9-R	LW	4	30	1.5	1.2	18.6	8.5	535.0	3	31.71	0.76	11.34	4.31
BEN 25	FRANK	22	138	3	26	10-C	LW	1	30	26.6	22.8	18.6	161.7	10165.5	51	31.18	0.76	9.49	4.27
BEN 25	FRANK	22	138	3	27	10-Y	LW	2	30	27.4	22.9	19.2	161.3	10134.8	45	37.22	0.69	11.18	4.10
BEN 25	FRANK	22	138	3	28	11-C	LW	1	30	25.8	21.9	17.2	158.0	9932.2	52	27.11	0.71	9.81	4.41
BEN 25	FRANK	22	138	3	29	11-Y	LW	2	30	31.5	27.3	17.8	195.6	12291.5	56	33.28	0.80	10.36	4.58
BEN 24	BROWN	12	116	2	30	12-C	HER	1	30	31.2	25.8	22.4	174.5	10966.1	53	32.44	0.74	9.21	4.73
BEN 24	BROWN	12	116	2	31	12-Y	HER	2	30	36.2	30.1	22.2	204.1	12826.7	63	29.88	0.73	8.50	4.60
BEN 24	BROWN	10	119	108	32	13-C	HER	1	30	18.0	15.2	17.4	109.4	6876.9	56	26.45	0.77	9.39	4.86
BEN 24	BROWN	10	119	108	33	13-Y	HER	2	30	16.0	13.1	20.0	91.3	5740.3	36	28.57	0.77	9.08	5.08
BEN 26	BAREN	32	103	13	34	14-C	LW	1	30	16.0	12.6	21.0	86.7	5452.1	49	28.83	0.72	7.29	3.83
BEN 26	BAREN	32	103	13	35	14-Y	LW	2	30	15.4	12.1	22.6	81.6	5129.8	36	31.35	0.74	8.47	3.82
BEN 26	BAREN	32	103	13	36	15-C	LW	1	30	24.9	20.4	19.0	144.0	9050.8	55	29.43	0.75	9.72	4.83
BEN 26	BAREN	32	103	13	37	15-Y	LW	2	30	27.1	22.5	19.4	158.0	9933.2	52	30.29	0.74	10.52	4.63
BEN 26	BAREN	32	103	13	38	15-O	LW	3	30	30.2	25.1	22.4	169.7	10668.6	54	33.98	0.69	10.20	4.92
BEN 26	BAREN	32	103	13	39	16-C	LW	1	30	4.5	3.2	22.4	21.6	1360.1	40	21.36	0.75	11.17	5.20
BEN 26	BAREN	32	103	13	40	16-Y	LW	2	30	20.3	16.4	19.8	114.6	7204.2	58	22.53	0.75	10.81	4.21

CORN YIELD 1987: SUMMARY

LOCATION									CORN									
									EAR WTH (IN.)	COB WT (LBS.)	GRAIN (LBS.	MOIST (%)	YIELD BU/A	YIELD KG/HA	EARS	KERNEL WT.(gm)	KERNEL DENS(g/cc)	KERNEL PROTEIN	KERNEL OIL
MINE	TOWNS	SEC	PHOTO	SOIL	SAMPL	SITE	MINE	SIE											
BEN 26	BAREN	32	103	13	41	16-0	LW	3	30	28.5	23.3	18.2	166.1	10439.5	58	30.89	0.48	10.97	4.60
BEN 21	GOODE	23	086	13	42	17-C	LW	1	38	24.5	20.5	21.0	111.4	7003.1	60	28.32	0.76	10.03	4.31
BEN 21	GOODE	23	086	13	43	17-Y	LW	2	38	27.0	22.0	15.8	127.4	8010.2	64	27.05	0.72	9.94	4.26
BEN 21	GOODE	23	086	13	44	17-0	LW	3	38	24.1	19.8	18.2	111.4	7003.7	54	25.61	0.74	10.15	4.48
BEN 21	GOODE	23	086	13	45	18-C	LW	1	38	26.2	21.9	16.8	125.4	7879.1	67	24.41	0.73	9.08	4.21
BEN 21	GOODE	23	086	13	46	18-Y	LW	2	38	20.2	16.8	22.4	89.7	5637.4	52	27.11	0.75	10.62	4.07
BEN 21	GOODE	2	072	14	47	19-C	HER	1	30	15.2	12.5	17.6	89.8	5641.7	60	21.20	0.67	8.44	3.88
BEN 21	GOODE	2	072	14	48	19-Y	HER	2	30	20.0	16.5	17.0	119.4	7501.2	47	23.86	0.68	9.28	3.80
BEN 21	GOODE	2	072	14	49	19-0	HER	3	30	35.1	30.0	19.8	209.7	13178.5	58	33.01	0.69	9.52	4.61
BEN 21	GOODE	2	072	14	50	19-R	HER	4	30	0.2	0.1	15.0	0.7	46.6	3	15.10	0.64	11.16	4.15
BEN 21	GOODE	2	072	13	51	20-C	HER	1	30	20.7	17.7	14.6	131.7	8279.4	42	25.95	0.70	8.36	4.34
BEN 21	GOODE	2	072	13	52	20-Y	HER	2	30	14.0	11.9	14.6	88.6	5566.4	45	20.16	0.70	9.35	3.98
BEN 21	GOODE	2	072	13	53	21-C	HER	1	30	26.4	22.6	16.8	163.9	10299.2	49	28.42	0.73	8.19	4.45
BEN 21	GOODE	2	072	13	54	21-Y	HER	2	30	17.5	14.8	16.6	107.6	6760.8	54	23.92	0.72	7.52	4.13
BEN 21	GOODE	6	069	3	55	22-C	HER	1	30	19.7	14.5	26.9	92.4	5805.7	42	21.07	0.69	8.94	4.90
BEN 21	GOODE	6	069	3	56	22-Y	HER	2	30	18.0	13.3	31.4	79.5	4997.4	43	18.64	0.69	9.81	4.62
BEN 21	GOODE	6	069	3	57	22-0	HER	3	30	16.2	12.4	34.6	70.7	4441.9	37	23.60	0.69	8.70	5.11
BEN 21	BAREN	5	068	3	58	23-C	HER	1	30	33.7	28.6	19.6	200.4	12594.8	57	32.33	0.78	9.83	4.45
BEN 21	BAREN	5	068	3	59	23-Y	HER	2	30	31.0	26.9	21.6	183.8	11551.5	52	34.60	0.77	10.11	4.65
BEN 21	BAREN	5	068	3	60	23-0	HER	3	30	22.4	18.8	18.6	133.4	8382.1	52	29.45	0.78	7.66	4.89
BEN 21	BAREN	6	069	2	61	24-C	HER	1	30	27.7	23.2	22.0	157.7	9911.8	45	33.51	0.78	10.02	5.19
BEN 21	BAREN	6	069	2	62	24-Y	HER	2	30	32.3	27.2	19.8	190.1	11948.5	52	33.19	0.76	9.91	5.02
BEN 21	BAREN	6	069	2	63	24-0	HER	3	30	27.3	22.8	17.0	164.9	10365.3	50	29.40	0.75	9.68	4.66
INLAND	ELK P	31	064	2	64	25-C	HER	1	30	27.8	22.4	22.2	151.9	9545.5	47	31.95	0.77	10.51	4.80
INLAND	ELK P	31	064	2	65	25-Y	HER	2	30	24.5	19.6	21.6	133.9	8416.7	40	32.56	0.75	10.64	5.00
INLAND	ELK P	32	065	3	66	26-C	HER	1	30	34.1	28.6	22.0	194.4	12218.9	56	33.90	0.75	7.01	4.32
INLAND	ELK P	32	065	3	67	26-Y	HER	2	30	34.0	28.8	21.8	196.3	12335.9	58	32.07	0.76	8.80	4.88
INLAND	ELK P	32	065	3	68	26-0	HER	3	30	33.2	27.1	24.2	179.0	11251.4	56	32.15	0.69	8.64	4.96
INLAND	ELK P	32	065	4	69	27-C	HER	1	30	34.5	29.2	19.6	204.6	12859.0	56	33.62	0.74	9.19	4.72
INLAND	ELK P	32	065	4	70	27-Y	HER	2	30	35.8	29.3	23.0	196.6	12357.4	58	35.53	0.73	8.64	4.93
INLAND	ELK P	32	065	3	71	28-C	HER	1	30	32.5	27.3	20.8	188.4	11842.9	54	33.07	0.76	8.65	4.98
INLAND	ELK P	32	065	3	72	28-Y	HER	2	30	33.1	27.0	21.2	185.4	11653.6	50	34.22	0.77	8.91	5.03
INLAND	ELK P	35	061	4	73	29-C	HER	1	30	26.5	21.5	25.0	140.5	8832.2	72	26.60	0.72	9.51	4.07
INLAND	ELK P	35	061	4	74	29-Y	HER	2	30	35.8	27.3	29.0	168.9	10616.7	77	26.49	0.64	8.67	4.08
INLAND	ELK P	35	061	4	75	29-0	HER	3	30	3.6	2.0	33.4	11.6	729.6	41	26.27	0.62	11.39	4.53
INLAND	B HIL	25	057	13	76	30-C	HER	1	30	19.0	15.6	19.6	109.3	6869.9	43	28.79	0.72	8.93	4.88
INLAND	B HIL	25	057	13	77	30-Y	HER	2	30	23.8	19.8	16.2	144.6	9088.2	51	27.99	0.75	8.54	4.57
OR 3	B HIL	11	035	13	78	31-C	HER	1	30	15.9	12.5	17.0	90.4	5682.7	55	20.20	0.73	10.88	4.06
OR 3	B HIL	11	035	13	79	31-R	HER	4	30	0	0	0	0	0	0	0	0	0	0

MINE SUBSIDENCE CORN YIELD 1987: SUMMARY

MINE	TOWNSHIP	SECTION	PHOTO#	SOIL	MINE TYPE	MINE SITE	YIELD BU/A	CONT.-Y BU/A	CONT.-Y %	CONT.-O BU/A	CONT.-O %	CONT.-R BU/A	CONT.-R %
OR4	LAK	14	156	14	HER	1-C	145.5	31.3	21.5	74.0	50.8	113.9	78.2
0825&27	FRA	36	154	13	LW	2-C	193.5	11.0	5.7	150.4	77.7	191.4	98.9
0825&27	FRA	35	155	2	LW	3-C	213.3	29.7	13.9	141.0	66.1		
0825&27	FRA	35	155	13	LW	4-C	190.3	1.2	0.6				
0825&27	FRA	26	146	3	LW	5-C	181.5	4.5	2.5				
0825&27	FRA	27	145	2	LW	6-C	170.6	27.5	16.1				
0825&27	FRA	26	146	2	LW	7-C	186.2	38.0	20.4				
0825&27	FRA	27	145	2	LW	8-C	171.1	33.2	19.4				
0825&27	FRA	27	145	2	LW	9-C	184.3	19.6	10.6	137.3	74.5	175.8	95.4
0825&27	FRA	22	138	3	LW	10-C	161.7	0.5	0.3				
0825&27	FRA	22	138	3	LW	11-C	158.0	-37.5	-23.8				
0824	BRO	12	116	2	HER	12-C	174.5	-29.6	-17.0				
0824	BRO	10	119	108	HER	13-C	109.4	18.1	16.5				
0826	BAR	32	103	13	LW	14-C	86.7	5.1	5.9				
0826	BAR	32	103	13	LW	15-C	144.0	-14.0	-9.7	-25.7	-17.9		
0826	BAR	32	103	13	LW	16-C	21.6	-93.0	-429.7	-144.5	-667.5		
0821	GOO	23	086	13	LW	17-C	111.4	-16.0	-14.4	.0	.0		
0821	GOO	23	086	13	LW	18-C	125.4	35.7	28.5				
0821	GOO	2	072	14	HER	19-C	89.8	-29.6	-33.0	-119.9	-133.6	89.0	99.2
0821	GOO	2	072	13	HER	20-C	131.7	43.2	32.8				
0821	GOO	2	072	13	HER	21-C	163.9	56.3	34.4				
0821	GOO	6	069	3	HER	22-C	92.4	12.9	14.0	21.7	23.5		
0821	BAR	5	068	3	HER	23-C	200.4	16.6	8.3	67.0	33.4		
0821	BAR	6	069	2	HER	24-C	157.7	-32.4	-20.5	-7.2	-4.6		
INL	ELK	31	064	2	HER	25-C	151.9	18.0	11.8				
INL	ELK	32	065	3	HER	26-C	194.4	-1.9	-1.0	15.4	7.9		
INL	ELK	32	065	4	HER	27-C	204.6	8.0	3.9				
INL	ELK	32	065	3	HER	28-C	188.4	3.0	1.6				
INL	ELK	35	061	4	HER	29-C	140.5	-28.4	-20.2	128.9	91.7		
INL	BAL	25	057	13	HER	30-C	109.3	-35.3	-32.3				
OR3	BAL	11	035	13	HER	31-C	90.4					90.4	100.0
AV.						AVG.	149.8	3.2	-11.1	33.7	-30.6	132.1	94.3
STD. DEV.							43.5	30.2	79.5	91.2	190.8	42.3	2.3
COEF. VAR							29.1	951.6	-716.3	270.4	-623.4	32.0	2.4

SOIL FERTILITY AT CORN HARVEST SITES

SITE			SOIL																	
			ORGANIC CARBON (%)			pH			P2O5 (ppm)			K (ppm)			Ca (ppm)			Mg (ppm)		
SOIL	SAMP	SITE	DEPTH (in)			DEPTH (in)			DEPTH (in)			DEPTH (in)			DEPTH (in)			DEPTH (in)		
			0-6	6-12	AVG.	0-6	6-12	AVG.	0-6	6-12	AVG	0-6	6-12	AVG.	0-6	6-12	AVG.	0-6	6-12	AVG.
14	1	1-C	0.83	0.40	0.62	5.9	5.1	5.5	18	7	13	134	94	114	2340	1595	1968	234	276	255
14	2	1-Y	0.83	0.29	0.56	5.7	4.7	5.2	14	5	10	194	206	200	3410	2240	2825	596	1075	836
14	3	1-O	0.52	0.29	0.41	6.5	5.2	5.9	33	7	20	202	182	192	3940	2870	3405	916	1280	1098
14	4	1-R	1.21	0.67	0.94	5.9	5.6	5.8	23	7	15	138	78	108	2340	1920	2130	320	276	298
13	5	2-C	0.92	0.63	0.78	5.8	5.5	5.7	49	16	33	206	102	154	2240	1700	1970	171	171	171
13	6	2-Y	0.94	0.71	0.83	6.1	5.8	6.0	34	13	24	106	69	88	2560	2240	2400	234	234	234
13	7	2-O	0.86	0.98	0.92	5.9	6.4	6.2	21	21	21	142	146	144	2980	3510	3245	448	490	469
13	8	2-R	1.25	0.86	1.06	6.3	6.8	6.6	34	37	36	166	182	174	3200	3620	3410	448	511	480
2	9	3-C	1.14	0.87	1.01	6.7	5.6	6.2	51	16	34	110	78	94	3300	2560	2930	234	171	203
2	10	3-Y	0.94	0.64	0.79	6.1	5.2	5.7	23	9	16	94	60	77	2870	1920	2395	192	149	171
2	11	3-O	1.21	1.14	1.18	5.6	5.4	5.5	35	18	27	170	114	142	2450	2340	2395	404	468	436
13	12	4-C	0.86	0.48	0.67	7.3	6.8	7.1	47	21	34	300	142	221	3200	2770	2985	213	255	234
13	13	4-Y	0.98	0.83	0.91	7.1	5.2	6.2	39	14	27	241	110	176	3200	1810	2505	213	213	213
3	14	5-C	1.05	0.82	0.94	7.6	7.5	7.6	53	14	34	206	90	148	3200	2980	3090	128	85	107
3	15	5-Y	1.04	0.71	0.88	7.5	6.6	7.1	66	16	41	162	78	120	3300	2870	3085	128	106	117
2	16	6-C	0.84	0.34	0.59	6.9	6.6	6.8	83	23	53	162	74	118	2450	2010	2230	106	85	96
2	17	6-Y	0.86	0.48	0.67	6.7	6.5	6.6	101	38	70	130	69	100	2340	2130	2235	128	106	117
2	18	7-C	0.99	0.92	0.96	7.7	7.3	7.5	65	26	46	134	74	104	3620	3510	3565	171	171	171
2	19	7-Y	1.15	0.88	1.02	7.5	6.0	6.8	44	13	29	154	78	116	3620	2560	3090	171	171	171
2	20	8-C	0.96	0.80	0.88	7.1	7.3	7.2	81	28	55	202	106	154	3300	3510	3405	192	213	203
2	21	8-Y	0.84	0.46	0.65	7.1	6.5	6.8	61	14	38	186	86	136	2560	2340	2450	149	128	139
2	22	9-C	0.86	0.90	0.88	7.3	6.3	6.8	34	13	24	122	74	98	3620	2340	2980	149	128	139
2	23	9-Y	1.15	0.76	0.96	7.0	7.3	7.2	91	21	56	174	98	136	3200	2560	2880	255	362	309
2	24	9-O	0.48	0.98	0.73	7.7	7.4	7.6	91	83	87	280	303	292	3090	3410	3250	341	341	341
2	25	9-R	0.79	0.72	0.76	8.0	8.0	8.0	91	65	78	276	206	241	3620	3510	3565	341	255	298
3	26	10-C	1.10	0.46	0.78	7.4	6.9	7.2	97	44	71	256	126	191	2980	2660	2820	128	106	117
3	27	10-Y	1.07	0.54	0.81	7.4	6.1	6.8	44	9	27	170	78	124	3510	2450	2980	171	192	182
3	28	11-C	0.91	0.61	0.76	7.7	6.4	7.1	104	19	62	468	272	370	2870	2340	2605	128	85	107
3	29	11-Y	1.03	0.68	0.86	7.6	7.1	7.4	97	39	68	245	118	182	3300	2870	3085	85	85	85
2	30	12-C	1.14	0.57	0.86	7.1	6.8	7.0	94	24	59	150	90	120	3410	2870	3140	149	85	117
2	31	12-Y	0.99	0.46	0.73	7.2	6.0	6.6	40	11	26	122	94	108	3090	2660	2875	128	149	139
108	32	13-C	1.94	0.95	1.45	6.8	5.4	6.1	56	22	39	393	322	358	7670	4690	6180	1210	1210	1210
108	33	13-Y	2.09	1.14	1.62	6.4	4.8	5.6	94	31	63	342	256	299	6600	3510	5055	958	916	937
13	34	14-C	0.57	0.15	0.36	7.5	4.9	6.2	44	16	30	146	114	130	3830	2010	2920	171	276	224
13	35	14-Y	0.72	0.42	0.57	7.3	6.7	7.0	19	15	17	114	118	116	4580	4160	4370	276	383	330
13	36	15-C	1.03	0.65	0.84	7.6	6.9	7.3	25	8	17	90	69	80	3830	2450	3140	255	276	266
13	37	15-Y	0.88	0.46	0.67	7.6	7.0	7.3	47	23	35	145	118	132	3510	2560	3035	149	106	128
13	38	15-O	1.08	0.95	0.97	7.5	7.6	7.6	35	21	28	106	102	104	3620	3410	3515	128	149	139
13	39	16-C	0.83	0.29	0.56	6.8	4.7	5.8	43	24	34	114	136	125	3300	2340	2820	149	383	266
13	40	16-Y	0.94	0.48	0.71	6.7	5.1	5.9	30	16	23	106	114	110	2870	2340	2605	128	213	171
13	41	16-O	0.94	0.87	0.91	7.1	7.1	7.1	47	38	43	158	110	134	3940	3300	3620	234	234	234
13	42	17-C	0.63	0.21	0.42	7.2	5.6	6.4	34	15	25	140	102	121	2450	2130	2290	171	255	213

SOIL FERTILITY AT CORN HARVEST SITES

SOIL	SAMP	SITE	ORGANIC CARBON (%) DEPTH (in) 0-6	6-12	AVG.	pH DEPTH (in) 0-6	6-12	AVG.	P2O5 (ppm) DEPTH (in) 0-6	6-12	AVG	K (ppm) DEPTH (in) 0-6	6-12	AVG.	Ca (ppm) DEPTH (in) 0-6	6-12	AVG.	Mg (ppm) DEPTH (in) 0-6	6-12	AVG.
13	43	17-Y	0.94	0.52	0.73	6.3	5.6	6.0	90	34	62	218	150	184	2560	3410	2985	128	255	192
13	44	17-O	1.02	0.67	0.85	6.6	6.3	6.5	103	43	73	288	180	234	2770	3830	3300	128	255	192
13	45	18-C	0.74	0.27	0.51	7.7	6.8	7.3	33	30	32	122	80	101	2770	2340	2555	149	234	192
13	46	18-Y	0.74	0.35	0.55	7.1	5.9	6.5	46	28	37	170	76	123	2450	2130	2290	128	106	117
14	47	19-C	0.40	0.10	0.25	4.8	4.6	4.7	18	21	20	218	214	216	2870	1920	2395	979	1075	1027
14	48	19-Y	0.66	0.35	0.51	6.4	5.2	5.8	11	6	9	102	98	100	2660	1810	2235	149	171	160
14	49	19-O	1.20	1.01	1.11	5.9	5.8	5.9	56	39	48	166	126	146	2870	2870	2870	320	320	320
14	50	19-R	1.14	0.75	0.95	5.9	6.4	6.2	69	28	49	192	106	149	2770	2980	2875	276	234	255
13	51	20-C	0.75	0.44	0.60	4.9	4.6	4.8	24	14	19	184	210	197	1490	1280	1385	362	448	405
13	52	20-Y	0.90	0.33	0.62	5.3	4.7	5.0	38	23	31	126	90	108	1810	1070	1440	171	149	160
13	53	21-C	0.90	0.56	0.73	7.5	7.4	7.5	25	12	19	106	76	91	3090	2560	2825	234	234	234
13	54	21-Y	0.52	0.29	0.41	7.3	6.2	6.8	20	8	14	126	136	131	3410	2870	3140	383	639	511
3	55	22-C	1.28	0.85	1.07	7.2	7.1	7.2	163	85	124	397	238	318	3410	2980	3195	149	106	128
3	56	22-Y	1.28	0.98	1.13	7.4	7.0	7.2	111	49	80	379	234	307	4370	4260	4315	192	255	224
3	57	22-O	1.21	1.01	1.11	7.4	7.4	7.4	163	82	123	576	353	465	4050	3830	3940	192	149	171
3	58	23-C	1.59	0.81	1.20	7.0	5.1	6.1	31	9	20	170	145	158	3620	2340	2980	128	192	160
3	59	23-Y	1.36	0.93	1.15	7.2	7.5	7.4	57	37	47	166	145	156	4470	4160	4315	128	128	128
3	60	23-O	1.48	0.82	1.15	7.2	5.6	6.4	78	19	49	258	140	199	4470	2450	3460	149	106	128
2	61	24-C	1.10	0.75	0.93	7.4	7.1	7.3	251	163	207	522	314	418	3510	2870	3190	149	128	139
2	62	24-Y	1.29	0.80	0.95	7.5	5.4	6.5	251	66	159	615	522	569	4050	3620	3835	234	341	288
2	63	24-O	1.14	0.68	0.91	7.1	4.8	6.0	115	26	71	379	288	334	5000	3410	4205	255	362	309
2	64	25-C	0.77	0.42	0.60	7.6	7.3	7.5	53	19	36	166	90	128	2660	2130	2395	149	128	139
2	65	25-Y	0.45	0.64	0.55	7.1	7.4	7.3	46	153	100	122	310	216	2130	2870	2500	149	149	149
3	66	26-C	1.11	0.70	0.91	6.7	5.4	6.1	19	8	14	102	90	96	2770	2130	2450	213	192	203
3	67	26-Y	1.18	0.87	1.03	6.9	6.3	6.6	27	11	19	110	90	100	2770	2660	2715	213	213	213
3	68	26-O	1.14	0.83	0.99	7.5	6.6	7.1	46	27	37	106	67	87	2870	2130	2500	149	106	128
4	69	27-C	1.16	0.81	0.99	6.7	5.3	6.0	16	10	13	126	170	148	3510	3410	3460	255	383	319
4	70	27-Y	1.17	0.75	0.96	7.3	6.7	7.0	40	9	25	140	90	115	3510	2870	3190	276	255	266
3	71	28-C	1.03	0.68	0.86	7.5	6.9	7.2	40	12	26	130	94	112	3620	2870	3245	149	106	128
3	72	28-Y	1.16	0.81	0.99	7.3	7.0	7.2	17	8	13	106	67	87	3300	2870	3085	128	106	117
4	73	29-C	0.67	0.44	0.56	6.3	5.9	6.1	30	14	22	114	94	104	1810	2340	2075	85	128	107
4	74	29-Y	0.81	0.42	0.62	5.5	5.2	5.4	26	12	19	130	98	114	2130	1385	1758	149	106	128
4	75	29-O	0.79	0.37	0.58	5.1	4.9	5.0	80	21	51	292	170	231	2010	1385	1698	171	149	160
13	76	30-C	0.70	0.42	0.56	7.6	6.7	7.2	24	17	21	94	90	92	2980	2770	2875	106	128	117
13	77	30-Y	0.73	0.35	0.54	7.5	4.7	6.1	27	16	22	98	154	126	2870	2240	2555	85	276	181
13	78	31-C	0.87	0.37	0.62	7.4	5.8	6.6	78	78	78	205	150	178	330	2870	1600	171	320	246
13	79	31-R	1.51	0.66	1.09	6.9	6.5	6.7	85	10	48	218	130	174	4050	2980	3515	618	767	693

APPENDIX C. STATISTICAL TABLES

The following tables give results of chi-square evaluation of data. The chi-square test is a statistical test to develop expected frequencies of experimental observations. The numbers in parentheses show expected values of the frequencies and the numbers without parentheses show the actual observed values. When there is a significant difference between the expected and actual values, it is indicated by one or two asterisks, depending on the level of significance.

Definitions

χ^2	chi square
df	degrees of freedom
*	statistically significant data at 5% confidence level
**	statistically significant data at 1% confidence level
Ho	null hypothesis
Prob	probability
LS mean	least square mean

Table C.1 Mine type x SIE class, 1985-1987

SIE class	Mine type		
	LW	HER	Total
None	**309 (422)	3881 (3768)	4190
Slight	**128 (36)	** 230 (322)	358
Moderate	** 27 (15)	122 (134)	149
Severe	** 12 (3)	16 (25)	28
Total	476	4249	4725

χ^2 = 335.96 with 3 df

Conclusion: significant mine type x SIE class interaction. Specifically, a higher percentage of LW has severe SIE than HER.

$\chi^2_{.01}$ = 11.3 $\chi^2_{.05}$ = 7.81 with 3 df

$\chi^2_{.01}$ = 6.63 $\chi^2_{.05}$ = 3.84 with 1 df

**Observed value significantly different than expected value (.01).

Table C.2 Slope x SIE class, 1985-1987

Slope class (%)	SIE class		
	None and slight	Moderate and severe	Total
0-1	3290 (3353)	**127 (64)	3417
1-4	4035 (4038)	80 (77)	4115
4-7	3662 (3630)	** 38 (70)	3700
7-30	2200 (2166)	** 8 (42)	2208
Total	13187	253	13440

χ^2 = 106.29 with 3 df

Conclusion: significant interaction.

$\chi^2_{.01}$ = 11.3 $\chi^2_{.05}$ = 7.81 with 3 df

$\chi^2_{.01}$ = 6.63 $\chi^2_{.05}$ = 3.84 with 1 df

**Observed value significantly different than expected value (.01).

Table C.3 Mine type x slope, 1985-1987

Slope class (%)	Mine type		
	LW	HER	Total
0-1	**166 (133)	1149 (1182)	1315
1-4	135 (141)	1259 (1253)	1394
4-7	134 (128)	1129 (1135)	1263
7-30	** 42 (76)	705 (671)	747
Total	477	4242	4719

χ^2 = 26.64 with 3 df

Conclusion: significant interaction.

$\chi^2_{.01}$ = 11.3 $\chi^2_{.05}$ = 7.81 with 3 df

$\chi^2_{.01}$ = 6.63 $\chi^2_{.05}$ = 3.84 with 1 df

**Observed value significantly different than expected value (.01).

Table C.4 SIE class x HER mines, 1985-1987

SIE class	1985	1986	1987	Total
None and slight	991(1002.3)	1451(1457.1)	1669(1651.6)	4111
Moderate and severe	* 45(33.6)	* 55(48.9)	* 38(55.4)	138
Total	1036	1506	1707	4249

χ^2 = 10.43 with 2 df

$\chi^2_{.01}$ = 9.21 $\chi^2_{.05}$ = 5.99

Conclusion: some evidence of SIE class x year interaction for HER. Moderate and severe SIE was relatively smaller in 1987 than in 1986 but relatively greater in 1985 than in 1986.

* Observed value significantly different than expected value (.05).

Table C.5 SIE class x LW mines, 1985-1987

SIE class	1985	1986	1987	Total
None and slight	99(107.4)	142(136.8)	196(192.8)	437
Moderate and severe	**18(9.6)	7(12.2)	14(17.2)	39
Total	117	149	210	476

χ^2 = 11.07 with 2 df

$\chi^2_{.01}$ = 9.21 $\chi^2_{.05}$ = 5.99

Conclusion: for LW there is SIE class x year interaction. A greater number of moderate and severe SIE were noted in 1985 than in either 1986 or 1987.

**Observed value significantly different than expected value (.01).

Table C.6 Yield reduction x mine type, 1985-1987

Mine type	SIE class	LS means yield reductions 1985	1986	1987	Avg
LW	2	-24.80	11.21	3.03	-3.52
	3	70.20	57.59	43.08	56.96
	4	171.10	136.08	183.60	163.59
HER	2	11.60	10.07	3.35	8.34
	3	84.93	74.71	25.70	61.78
	4	114.20	98.22	97.77	103.40

Conclusion: yield reduction for SIE class 4 is consistently greater for LW than for HER. While this difference was not great enough to be detected as significant in any one year, the combined analysis of all 3 years enabled detection of a mine type X SIE class interaction.

Table C.7 Combined analyses of variance of corn yield reduction data, 1985-1987

Source of variation	Degrees of freedom	Sum of squares	Mean square	F value	Prob > F
Total	126	581,643.11			
Year	2	1,267.12	633.56	0.25	0.783
Mine type	1	3,475.01	3,475.01	1.34	0.248
Year x mine type	2	3,850.80	1,925.40	0.74	0.477
SIE class	2	188,266.90	94,133.45	36.41	0.000
Year x SIE class	4	10,295.80	2,573.95	1.00	0.413
Mine type x SIE class	2	16,703.46	8,351.73	3.23	0.043
Year x mine type x SIE class	4	3,108.19	777.05	0.30	0.877
Experimental error	109	281,844.12	2,585.73		

Table C.8 Least squares means from combined analysis of corn yield reduction data, 1985-1987

	Yield reduction		Prob > |t| for Ho: LS Mean(I) = LS Mean(J)								
	Bu/A	Standard error									
Mine type			1	2							
1 LW	72.3	10.5	.	0.2489							
2 HER	57.8	6.8	0.2489	.							
SIE class			1	2	3						
1 Slight	2.4	10.4	.	0.0002	0.0001						
2 Moderate	59.4	10.8	0.0002	.	0.0001						
3 Severe	133.5	11.3	0.0001	0.0001	.						
Mine type-SIE class			1	2	3	4	5	6			
1 LW - Slight	-3.5	18.3	.	0.02	0.00	0.57	0.00	0.00			
2 LW - Moderate	57.0	19.2	0.02	.	0.00	0.03	0.82	0.06			
3 LW - Severe	163.6	17.0	0.00	0.00	.	0.00	0.00	0.01			
4 HER - Slight	8.3	9.9	0.57	0.03	0.00	.	0.00	0.00			
5 HER - Moderate	61.8	9.8	0.00	0.82	0.00	0.00	.	0.02			
6 HER - Severe	103.4	15.0	0.00	0.06	0.01	0.00	0.02	.			
Year-SIE class			1	2	3	4	5	6	7	8	9
1 1985 - Slight	-6.6	27.9	.	0.03	0.00	0.56	0.02	0.00	0.74	0.19	0.00
2 1985 - Moderate	77.6	26.8	0.03	.	0.04	0.02	0.70	0.21	0.01	0.16	0.08
3 1985 - Severe	142.6	18.6	0.00	0.04	.	0.00	0.00	0.31	0.00	0.00	0.95
4 1986 - Slight	10.6	10.5	0.56	0.02	0.00	.	0.00	0.00	0.60	0.18	0.00
5 1986 - Moderate	66.2	11.2	0.02	0.70	0.00	0.00	.	0.01	0.00	0.08	0.00
6 1986 - Severe	117.2	16.4	0.00	0.21	0.31	0.00	0.01	.	0.00	0.00	0.41
7 1987 - Slight	3.2	9.3	0.74	0.01	0.00	0.60	0.00	0.00	.	0.07	0.00
8 1987 - Moderate	34.4	14.1	0.19	0.16	0.00	0.18	0.08	0.00	0.07	.	0.00
9 1987 - Severe	140.7	23.2	0.00	0.08	0.95	0.00	0.00	0.41	0.00	0.00	.

Table C.9 Mine type x SIE class, 1985

SIE class	Mine type (1985) LW	HER	Total
None	** 71(103.8)	952(919.2)	1023
Slight	** 28(6.8)	** 39(60.2)	67
Moderate	** 14(5.7)	42(50.3)	56
Severe	** 4(.7)	3(6.3)	7
Total	117	1036	1153

χ^2 = 115.836 with 3 df

Critical value $\chi^2_{.01}$ = 11.3

Conclusion: significant SIE class x mine type interaction. The degree of SIE is affected by mine type. More severe SIE was noted in the LW mine type.

**Observed value significantly different than expected value (.01).

Table C.9 Mine type x SIE class 1985 (continued)

SIE class	Mine type (1985) LW	HER	Total
None and slight	99(110.6)	991(979.4)	1090
Moderate and severe	** 18(6.4)	45(56.6)	63
Total	117	1036	1153

χ^2 = 24.756 with 1 df

Critical $\chi^2_{.01}$ = 6.63

Conclusion: significant SIE class x mine type interaction. Moderate or severe SIE occurred relatively more frequently in LW than in HER mines.

**Observed value significantly different than expected value (.01).

Table C.10 Slope x SIE class, 1985

Slope class (%)	SIE class		
	None and slight	Moderate and severe	Total
0-1	769(788.7)	**39(19.3)	808
1-4	1128(1132.4)	32(27.6)	1160
4-7	1064(1056.2)	18(25.8)	1082
7-30	725(708.7)	** 1(17.3)	726
Total	3686	90	3776

χ^2 = 39.467 with 3 df

$\chi^2_{.01}$ = 11.3 $\chi^2_{.05}$ = 7.81

Conclusion: significant SIE class x slope interaction in 1985.

**Observed value significantly different than expected value (.01).

Table C.11 Mine type x slope, 1985

Slope class (%)	Mine type (1985)		
	LW	HER	Total
0-1	40(30.2)	254(263.8)	294
1-4	32(35.5)	313(309.5)	345
4-7	35(31.6)	272(275.4)	307
7-30	*11(20.7)	190(180.3)	201
Total	118	1029	1147

χ^2 = 9.404 with 3 df

$\chi^2_{.01}$ = 11.3 $\chi^2_{.05}$ = 7.81

Conclusion: some interaction; a relatively higher proportion of LW is more level.

*Observed value significantly different than expected value (.05).

Table C.12 SIE class x soil type (LW only), 1985

Soil type	SIE class		
	None and slight	Moderate and severe	Total
2	15(16.7)	4(2.5)	19
3	10(12.1)	4(1.9)	14
13	51(46.8)	3(7.2)	54
14	11(10.4)	1(1.6)	12
72	3(2.6)	0(0.4)	3
382	1(2.6)	*2(0.4)	3
Total	91	14	105

χ^2 = 14.65 with 5 df

Conclusion: interaction.

$\chi^2_{.01}$ = 15.1 $\chi^2_{.05}$ = 11.1

*Observed value significantly different than expected value (.05).

Table C.13 SIE class x soil type (HER only), 1985

Soil type	SIE class		
	None and slight	Moderate and severe	Total
2	79(86.1)	**11(3.9)	90
3	46(45.9)	2(2.1)	48
13	528(525.3)	21(23.7)	549
14	193(192.3)	8(8.7)	201
72	24(23.0)	0(1.0)	24
382	16(15.3)	0(0.7)	16
814	45(43.1)	0(1.9)	45
Total	931	42	973

χ^2 = 17.65 with 6 df

Conclusion: interaction.

$\chi^2_{.01}$ = 16.8 $\chi^2_{.05}$ = 12.6

**Observed value significantly different than expected value (.01).

Table C.14 SIE class x soil type (LW and HER), 1985

Soil type	SIE class		
	None and slight	Moderate and severe	Total
2	94(103.3)	**15(5.7)	109
3	56(58.8)	6(3.2)	62
13	579(571.7)	24(31.3)	603
14	204(201.9)	9(11.1)	213
72	27(25.6)	0(1.4)	27
382	17(18.0)	2(1.0)	19
814	45(42.7)	0(2.3)	45
Total	1022	56	1078

χ^2 = 25.77 with 6 df

Conclusion: interaction.

$\chi^2_{.01}$ = 16.8 $\chi^2_{.05}$ = 12.6

**Observed value significantly different than expected value (.01).

Table C.15 Mine type x soil type (all slopes), 1985

Soil type	Mine type		
	LW	HER	Total
2	**19(10.6)	90(98.4)	109
3	**14(6.0)	48(56.0)	62
13	54(58.7)	549(544.3)	603
14	12(20.7)	201(192.3)	213
72	3(2.6)	24(24.4)	27
382	3(1.9)	16(17.1)	19
814	* 0(4.4)	45(40.6)	45
Total	105	973	1078

χ^2 = 29.30 with 6 df

Conclusion: interaction.

$\chi^2_{.01}$ = 16.8 $\chi^2_{.05}$ = 12.6

**Observed value significantly different than expected value (.01).

*Observed value significantly different than expected value (.05).

Table C.16 Mine type x soil type (slope 3 or 1), 1985

Soil type	Mine type		
	LW	HER	Total
2	*19(11.6)	90(97.4)	109
3	**13(6.3)	46(52.7)	59
13	25(34.7)	302(292.3)	327
14	* 0(5.6)	53(47.4)	53
72	3(2.9)	24(24.1)	27
382	3(2.0)	16(17.0)	19
Total	63	531	594

χ^2 = 23.12 with 5 df

Conclusion: interaction.

$\chi^2_{.01}$ = 15.1 $\chi^2_{.05}$ = 11.1

**Observed value significantly different than expected value (.01).

*Observed value significantly different than expected value (.05).

Table C.17 Mine type x soil type (slope = 1), 1985

Soil type	Mine type		
	LW	HER	Total
2	19(13.5)	90(95.5)	109
3	0 (2.5)	20(17.5)	20
13	9(11.9)	87(84.1)	96
14	0 (.5)	4 (3.5)	4
72	3 (3.3)	24(23.7)	27
382	3(2.3)	16(16.7)	19
Total	34	241	275

χ^2 = 7.56 with 5 df

Conclusion: no significant interaction.

$\chi^2_{.01}$ = 15.1 $\chi^2_{.05}$ = 11.1

Table C.18 Mine type x SIE class, 1986

SIE class	Mine type (1986) LW	HER	Total
None	*111(135.0)	1390(1365.0)	1500
Slight	** 31(8.4)	* 62(84.6)	93
Moderate	2(4.7)	50(47.3)	52
Severe	** 5(0.9)	5(9.1)	10
Total	149	1506	1655

χ^2 = 93.761 with 3 df

$\chi^2_{.01}$ = 11.3 = critical value

Conclusion: SIE class x mine type interaction. Degree of SIE is affected by mine type. SIE class 4 is a larger percentage of LW than of HER.

**Observed value significantly different than expected value (.01).

*Observed value significantly different than expected value (.05).

Table C.18 (continued)

SIE class	Mine type (1986) LW	HER	Total
None and slight	142(143.4)	1451(1449.6)	1593
Moderate	2(4.7)	50(47.3)	52
Severe	**5(.9)	5(9.1)	10
Total	149	1506	1655

χ^2 = 22.245 with 2 df

$\chi^2_{.01}$ = 9.21 $\chi^2_{.05}$ = 5.99

Conclusion: SIE class x mine type interaction. Specifically, a higher percentage of LW had severe SIE than HER.

Table C.18 (continued)

SIE class	Mine type (1986)		
	LW	HER	Total
None and slight	142(143.4)	1451(1449.6)	1593
Moderate and severe	17(5.6)	55(56.4)	62
Total	149	1506	1655

χ^2 = 0.3998 with 1 df

Critical $\chi^2_{.01}$ = 6.63 $\chi^2_{.05}$ = 3.84

Conclusion: no SIE class x mine type interaction.

Table C.19 Slope x SIE class, 1986

Slope class (%)	SIE class		
	None and slight	Moderate and severe	Total
0-1	1139(1161.7)	**46(23.3)	1185
1-4	1316(1319.5)	30(26.5)	1346
4-7	1193(1176.4)	** 7(23.6)	1200
7-30	681(671.5)	** 4(13.5)	685
Total	4329	87	4416

χ^2 = 41.760 with 3 df

$\chi^2_{.01}$ = 11.3 $\chi^2_{.05}$ = 7.81

Conclusion: SIE class x slope interaction in 1986.

**Observed value significantly different than expected value (.01).

Table C.20 Mine type x slope, 1986

Slope class (%)	Mine type (1986)		
	LW	HER	Total
0-1	52 (43.2)	428 (436.8)	480
1-4	42 (43.8)	445 (443.2)	487
4-7	43 (39.6)	397 (400.4)	440
7-30	*12 (22.3)	236 (225.7)	248
Total	149	1506	1655

χ^2 = 7.599 with 3 df

$\chi^2_{.01}$ = 11.3 $\chi^2_{.05}$ = 7.81

Conclusion: in 1986, no slope x mine type interaction.

*Observed value significantly different than expected value (.05).

Table C.21 SIE class x soil type (LW only), 1986

Soil type	SIE class		
	None and slight	Moderate and severe	Total
2	20(19.9)	1(1.1)	21
3	13(13.2)	1(0.8)	14
13	89(87.0)	3(5.0)	92
14	12(11.3)	0(0.7)	12
72	4(4.7)	1(0.3)	5
382	1(2.8)	**2(0.2)	3
Total	139	8	147

χ^2 = 20.74 with 5 df

Conclusion: interaction.

$\chi^2_{.01}$ = 15.1 $\chi^2_{.05}$ = 11.1

**Observed value significantly different than expected value (.01).

Table C.22 SIE class x soil type (HER only), 1986

Soil type	SIE class		Total
	None and slight	Moderate and severe	
2	107(108.6)	5(3.4)	112
3	63(63.0)	2(2.0)	65
13	786(785.5)	24(24.5)	810
14	252(249.2)	5(7.8)	257
72	39(39.8)	2(1.2)	41
382	24(25.2)	2(0.8)	26
814	44(43.6)	1(1.4)	45
Total	1315	41	1356

χ^2 = 4.35 with 6 df

Conclusion: no significant interaction.

$\chi^2_{.01}$ = 16.8 $\chi^2_{.05}$ = 12.6

Table C.23 SIE class x soil type (LW and HER), 1986

Soil type	SIE class		Total
	None and slight	Moderate and severe	
2	127(128.7)	6(4.3)	133
3	76(76.4)	3(2.6)	79
13	875(872.6)	27(29.4)	902
14	264(260.2)	5(8.8)	269
72	43(44.5)	3(1.5)	46
382	25(28.1)	** 4(0.9)	29
814	44(43.5)	1(1.5)	45
Total	1454	49	1503

χ^2 = 15.40 with 6 df

Conclusion: interaction.

$\chi^2_{.01}$ = 16.8 $\chi^2_{.05}$ = 12.6

**Observed value significantly different than expected value (.01).

Table C.24 Mine type x soil type (all slopes), 1986

Soil type	Mine type		Total
	LW	HER	
2	*21(13.0)	112(120.0)	133
3	*14(7.7)	65(71.3)	79
13	92(88.2)	810(813.8)	902
14	**12(26.3)	257(242.7)	269
72	5(4.5)	41(41.5)	46
382	3(2.8)	26(26.2)	29
814	* 0(4.4)	45(40.6)	45
Total	147	1356	1503

χ^2 = 24.92 with 6 df

Conclusion: interaction.

$\chi^2_{.01}$ = 16.8 $\chi^2_{.05}$ = 12.6

**Observed value significantly different than expected value (.01).

*Observed value significantly different than expected value (.05).

Table C.25 Mine type x soil type (slope 3 or 1), 1986

Soil type	Mine type		Total
	LW	HER	
2	21(14.4)	112(118.6)	133
3	13(8.2)	63(67.8)	76
13	48(52.9)	440(435.1)	488
14	*0(6.3)	58(51.7)	58
72	5(5.0)	41(41.0)	46
382	3(3.1)	26(25.9)	29
Total	90	740	830

χ^2 = 14.12 with 5 df

Conclusion: interaction is significant at 5% level but not at 1% level.

$\chi^2_{.01}$ = 15.1 $\chi^2_{.05}$ = 11.19

*Observed value significantly different than expected value (.05).

Table C.26 Mine type x soil type (slope = 1), 1986

Soil type	Mine type		
	LW	HER	Total
2	21(15.3)	112(117.7)	133
3	0(3.6)	31(27.4)	31
13	16(16.6)	129(128.4)	145
14	0(0.9)	8(7.1)	8
72	5(5.3)	41(40.7)	46
382	3(3.3)	26(25.7)	29
Total	45	347	392

χ^2 = 7.56 with 5 df

Conclusion: no significant interaction.

$\chi^2_{.01}$ = 15.1 $\chi^2_{.05}$ = 11.1

Table C.27 Mine type x SIE class, 1987

SIE class	Mine type (1987)		
	LW	HER	Total
None	**127(182.6)	1540(1484.4)	1667
Slight	** 69(21.7)	** 129(176.3)	198
Moderate	** 11(4.5)	30(36.5)	41
Severe	3(1.2)	8(9.8)	11
Total	210	1707	1917

χ^2 = 148.38 with 3 df

$\chi^2_{.01}$ = 11.3 $\chi^2_{.05}$ = 7.81

Conclusion: SIE class x mine type interaction. Degree of SIE is influenced by mine type. SIE class 4, 3, and 2 are a larger percentage of LW than of HER.

**Observed value significantly different than expected value (.01).

Table C.27 (continued)

SIE class	Mine type (1987) LW	HER	Total
None and slight	196(204.3)	1669(1660.7)	1865
Moderate	** 11(4.5)	30(36.5)	41
Severe	3(1.2)	8(9.8)	11
Total	210	1707	1917

χ^2 = 13.96 with 2 df

$\chi^2_{.01}$ = 9.21 $\chi^2_{.05}$ = 5.99

Conclusion: SIE class x mine type interaction. A higher percentage of LW had severe or moderate SIE than HER.

**Observed value significantly different than expected value (.01).

Table C.27 (continued)

SIE class	Mine type (1987) LW	HER	Total
None and slight	196(204.3)	1669(1660.7)	1865
Moderate and severe	** 14(5.7)	38(46.3)	52
Total	210	1707	1917

χ^2 = 13.95 with 1 df

$\chi^2_{.01}$ = 6.63 $\chi^2_{.05}$ = 3.84

Conclusion: SIE class x mine type interaction. Moderate and severe SIE class has larger percentage of LW than of HER.

**Observed value significantly different than expected value (.01).

Table C.28 Slope x SIE class, 1987

Slope class (%)	SIE class				
	None	Slight	Moderate	Severe	Total
0-1	1256(1306.5)	126(96.9)	33(16.8)	9(3.8)	1424
1-4	1468(1476.2)	123(109.5)	15(19.0)	3(4.3)	1609
4-7	1325(1301.0)	80(96.5)	11(16.7)	2(3.8)	1418
> 7	766(731.3)	28(54.2)	3(9.4)	0(2.1)	797
Total	4815	357	62	14	5248

χ^2 = 63.204 with 9 df

$\chi^2_{.01}$ = 21.7 $\chi^2_{.05}$ = 16.9

Conclusion: SIE class x slope interaction in 1987.

Table C.28 (continued)

Slope class (%)	SIE class		
	None and slight	Moderate and severe	Total
0-1	1382(1403.4)	**42(20.6)	1424
1-4	1591(1585.7)	18(23.3)	1609
4-7	1405(1397.5)	13(20.5)	1418
> 7	794(785.5)	* 3(11.5)	797
Total	5172	76	5248

χ^2 = 32.94 with 3 df

$\chi^2_{.01}$ = 11.3 $\chi^2_{.05}$ = 7.81

Conclusion: SIE class x slope interaction in 1987.

**Observed value significantly different than expected value (.01).

*Observed value significantly different than expected value (.05).

Table C.29 Mine type x slope, 1987

Slope class (%)	Mine type (1987)		
	LW	HER	Total
0-1	74(59.3)	467(481.7)	541
1-4	61(61.6)	501(500.4)	562
4-7	56(56.5)	460(459.5)	516
7-30	*19(32.6)	279(265.4)	298
Total	210	1707	1917

χ^2 = 10.47 with 3 df

$\chi^2_{.01}$ = 11.3 $\chi^2_{.05}$ = 7.81

Conclusion: some interaction. A relatively higher proportion of LW is slope class 0-1. A relatively higher proportion of HER is slope class 7-30.

*Observed value significantly different than expected value (.05).

Table C.30 SIE class x soil type (LW only), 1987

Soil type	SIE class		
	None and slight	Moderate and severe	Total
2	19(20.4)	3(1.6)	22
3	14(13.0)	0(1.0)	14
13	115(114.0)	8(9.0)	123
14	19(17.6)	0(1.4)	19
72	5(4.6)	0(0.4)	5
382	5(7.4)	**3(0.6)	8
Total	177	14	191

χ^2 = 14.84 with 5 df

Conclusion: interaction.

$\chi^2_{.01}$ = 15.1 $\chi^2_{.05}$ = 11.1

**Observed value significantly different than expected value (.01).

Table C.31 SIE class x soil type (HER only), 1987

Soil type	SIE class		Total
	None and slight	Moderate and severe	
2	107(112.0)	** 7(2.0)	114
3	67(66.8)	1(1.2)	68
13	929(923.4)	11(16.6)	940
14	285(281.9)	2(5.1)	287
72	44(46.2)	* 3(0.8)	47
382	23(25.5)	** 3(0.5)	26
814	47(46.2)	0(0.8)	47
Total	1502	27	1529

χ^2 = 36.31 with 6 df

Conclusion: interaction.

$\chi^2_{.01}$ = 16.8 $\chi^2_{.05}$ = 12.6

**Observed value significantly different than expected value (.01).
*Observed value significantly different than expected value (.05).

Table C.32 SIE class x soil type (LW and HER), 1987

Soil type	SIE class		Total
	None and slight	Moderate and severe	
2	126(132.8)	**10(3.2)	136
3	81(80.0)	1(2.0)	82
13	1044(1037.7)	19(25.3)	1063
14	304(298.7)	* 2(7.3)	306
72	49(50.8)	3(1.2)	52
382	28(33.2)	** 6(0.8)	34
814	47(45.9)	0(1.1)	47
Total	1679	41	1720

χ^2 = 59.36 with 6 df

Conclusion: interaction.

$\chi^2_{.01}$ = 16.8 $\chi^2_{.05}$ = 12.6

**Observed value significantly different than expected value (.01).
*Observed value significantly different than expected value (.05).

Table C.33 Mine type x soil type (all slopes), 1987

Soil type	Mine type		Total
	LW	HER	
2	22(15.1)	114(120.9)	136
3	14(9.1)	68(72.9)	82
13	123(118.0)	940(945.0)	1063
14	* 19(34.0)	287(272.0)	306
72	5(5.8)	47(46.2)	52
382	* 8(3.8)	26(30.2)	34
814	* 0(5.2)	47(41.8)	47
Total	191	1529	1720

χ^2 = 25.23 with 6 df

Conclusion: interaction.

$\chi^2_{.01}$ = 16.8 $\chi^2_{.05}$ = 12.6

*Observed value significantly different than expected value (.05).

Table C.34 Mine type x soil type (slope 3 or 1), 1987

Soil type	Mine type		Total
	LW	HER	
2	22(17.5)	114(118.5)	136
3	13(10.2)	66(68.8)	79
13	71(72.2)	490(488.8)	561
14	** 0(8.0)	62(54.0)	62
72	5(6.7)	47(45.3)	52
382	8(4.4)	26(29.6)	34
Total	119	805	924

χ^2 = 15.29 with 5 df

Conclusion: interaction.

$\chi^2_{.01}$ = 15.1 $\chi^2_{.05}$ = 11.1

**Observed value significantly different than expected value (.01).

Table C.35 Mine type x soil type (slope = 1), 1987

Soil type	Mine type		Total
	LW	HER	
2	22(19.5)	114(116.5)	136
3	* 0(4.7)	33(28.3)	33
13	27(23.1)	134(137.9)	161
14	0(1.1)	8(6.9)	8
72	5(7.0)	44(42.0)	49
382	6(4.6)	26(27.4)	32
Total	60	359	419

χ^2 = 9.06 with 5 df

Conclusion: no significant interaction.

$\chi^2_{.01}$ = 15.1 $\chi^2_{.05}$ = 11.1

*Observed value significantly different than expected value (.05).

Table C.36 SIE class x year, LW mining

SIE class	1985	1986	1987	Total
None and slight	102(107)	151(147)	196(194)	449
Moderate and severe	14(9)	8(11)	14(16)	36
Total	116	159	210	485

χ^2 = 4.209 with 2 df

$\chi_{2.01}$ = 9.21 $\chi^2_{.05}$ = 5.99

Conclusion: no significant SIE class x year interaction for LW mining. SIE consistent from year to year.

Table C.37 SIE class x year, HER mining

SIE class	1985	1986	1987	Total
None and slight	977(988)	1451(1458)	1669(1651)	4097
Moderate and severe	44(33)	56(49)	* 38(56)	138
Total	1021	1507	1707	4235

χ^2 = 10.804 with 2 df

$\chi^2_{.01}$ = 9.21 $\chi^2_{.05}$ = 5.99

Conclusion: for HER, year x SIE class interaction was noted. Frequency of moderate or severe SIE was somewhat less than expected in 1987.

*Observed value significantly different than expected value (.05).

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